



10075869 .000302

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4

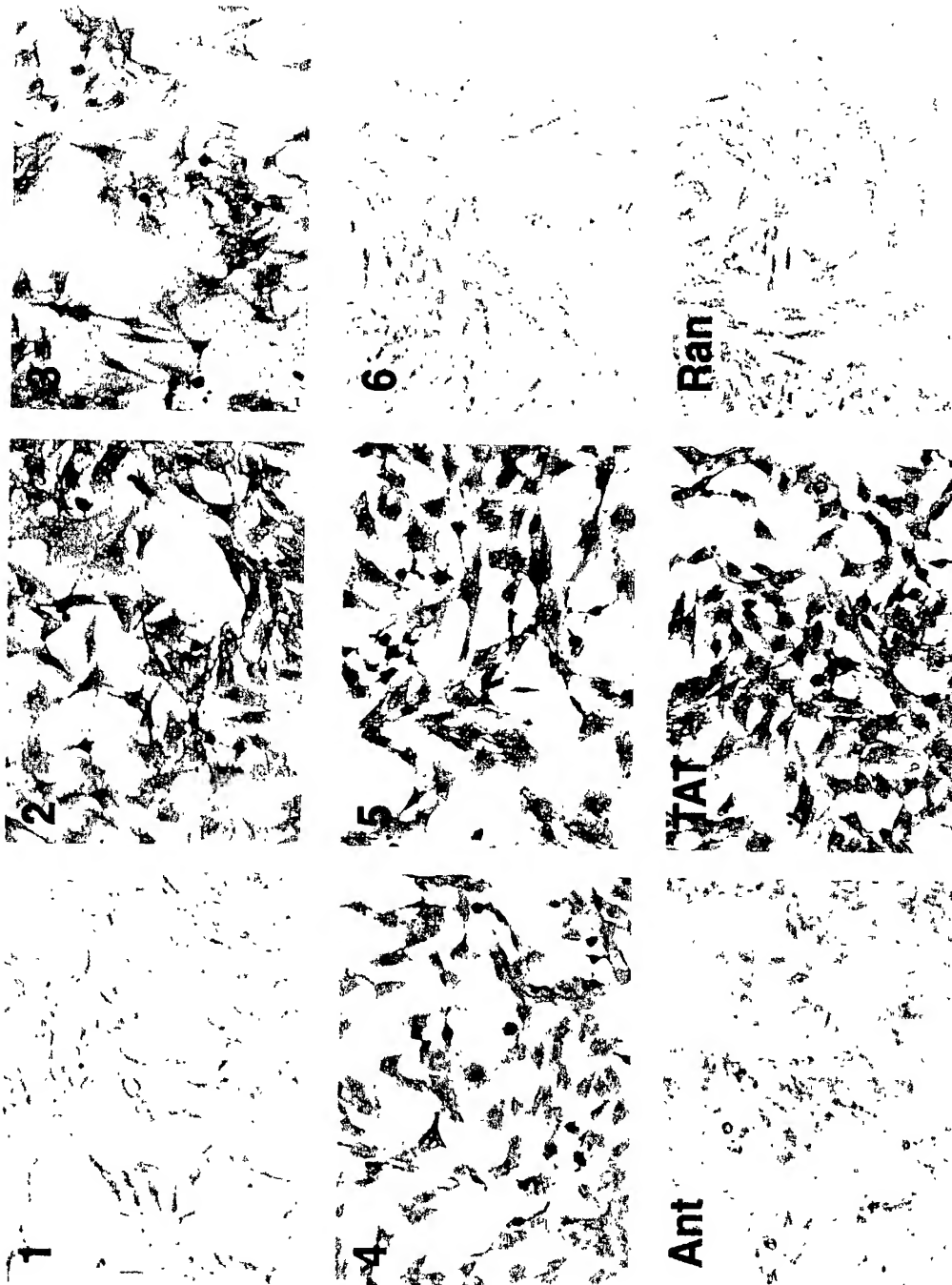


FIG.1A



10075669 .090302

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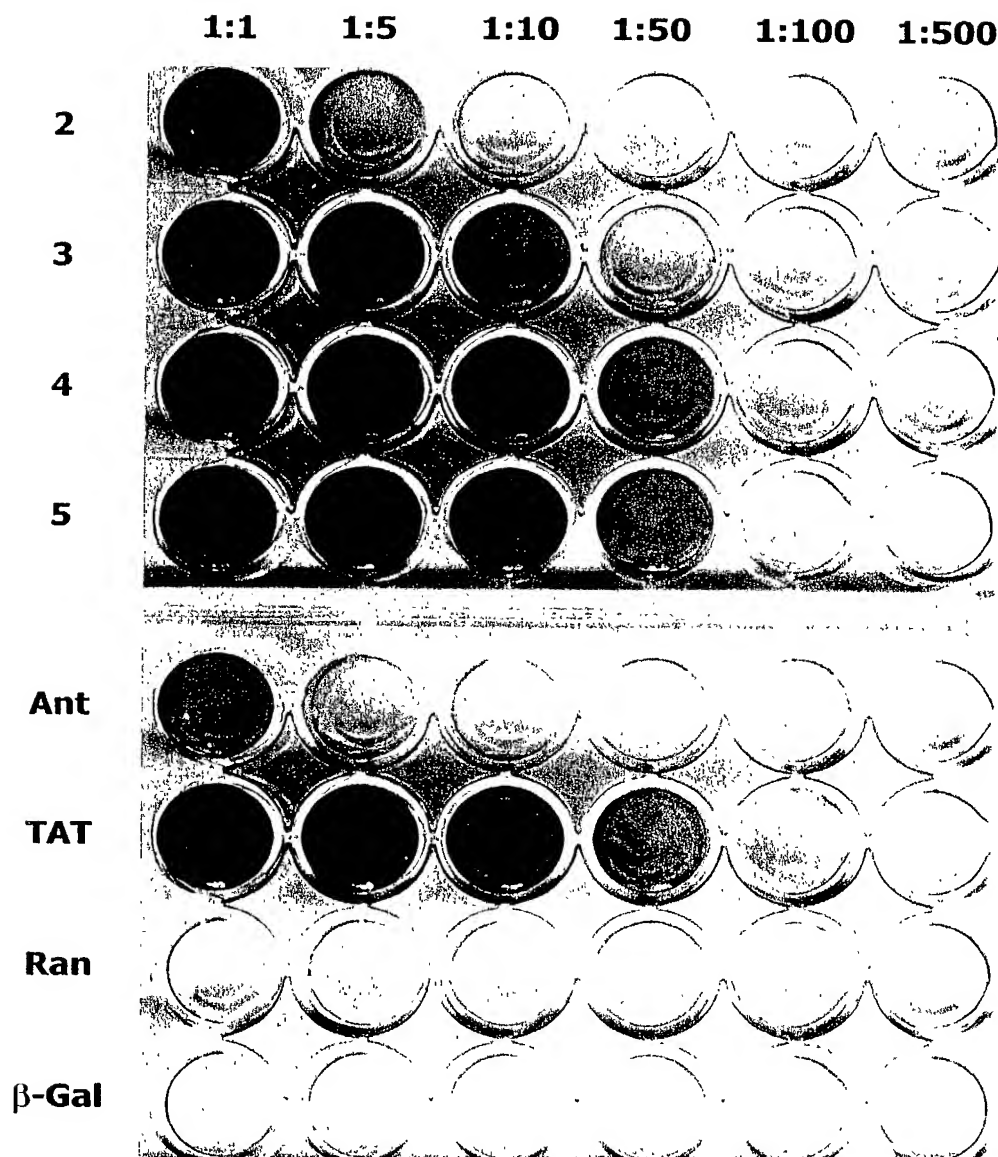


FIG.1B



FIG.2B

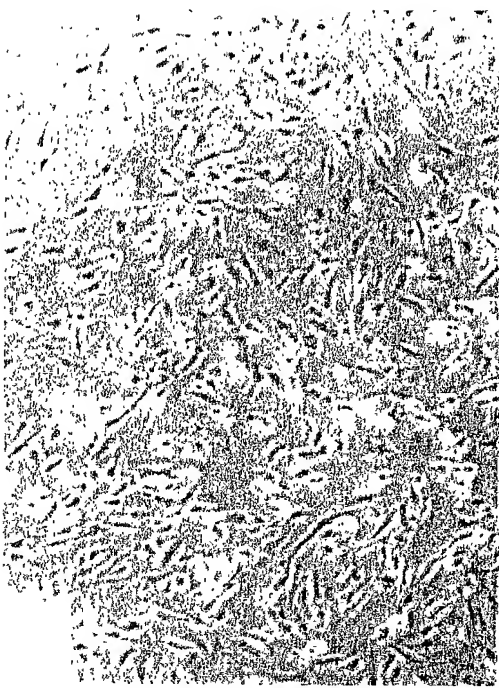


FIG.2D



FIG.2A

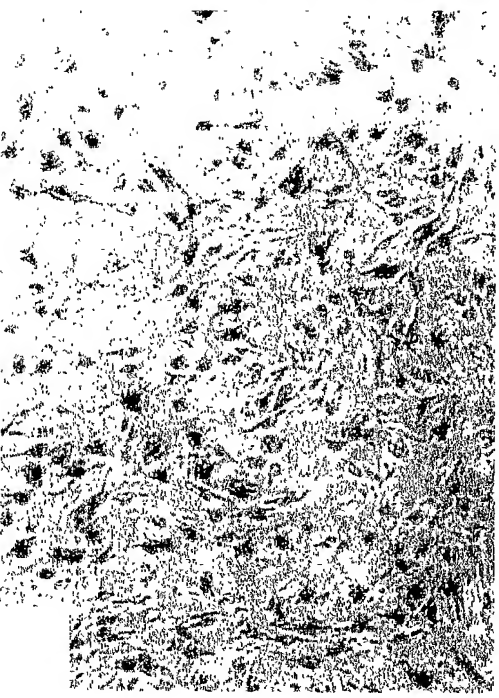
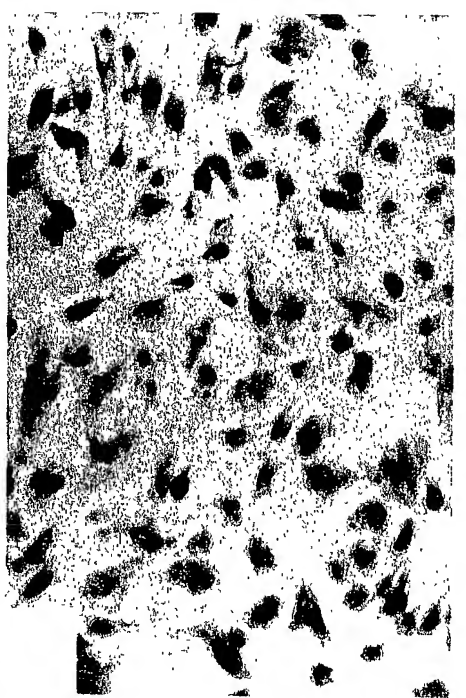


FIG.2C





10075269.000302

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FIG.3B

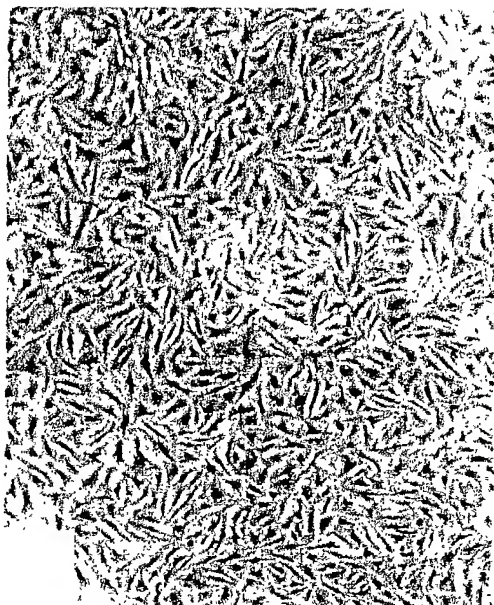


FIG.3D

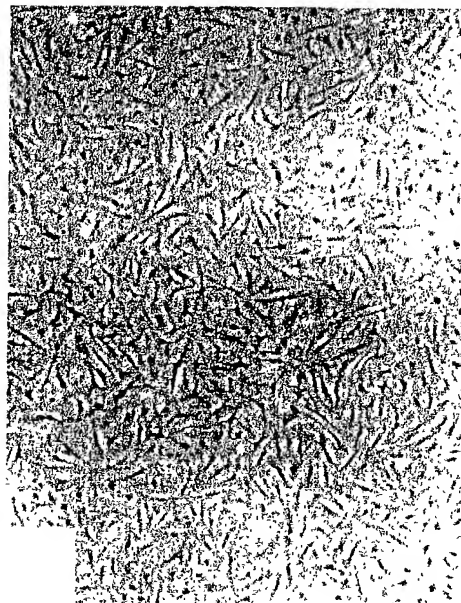


FIG.3A

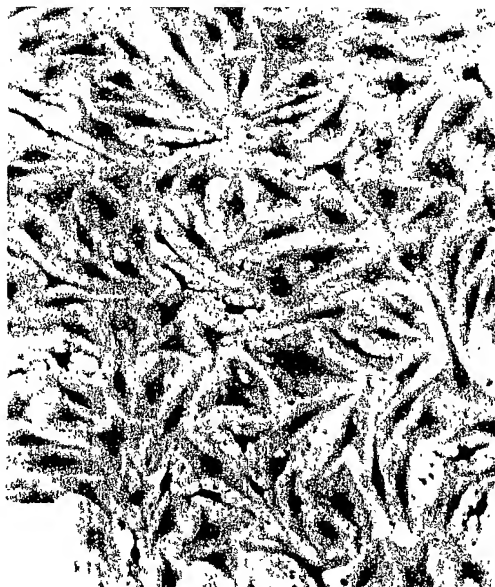
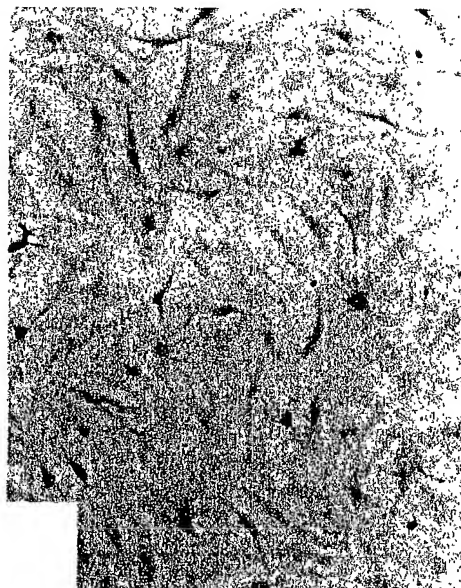


FIG.3C



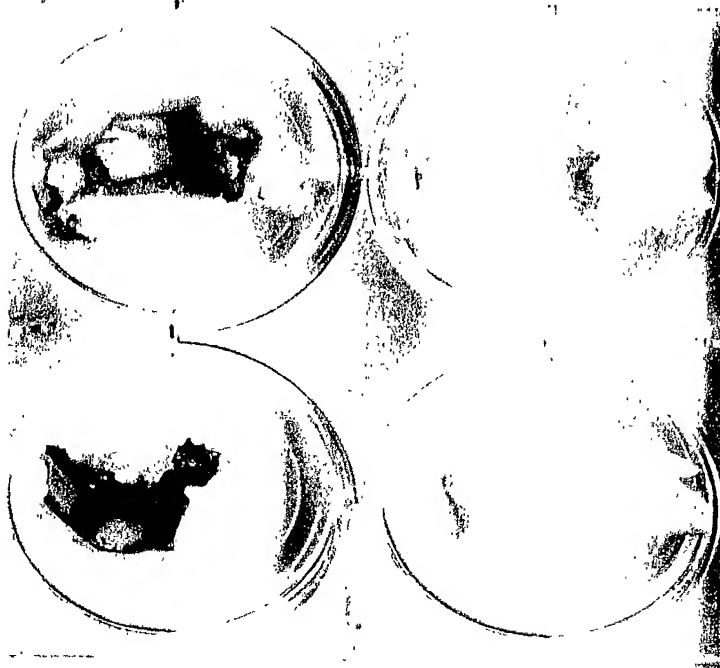


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AdLacZ

5



ψ5

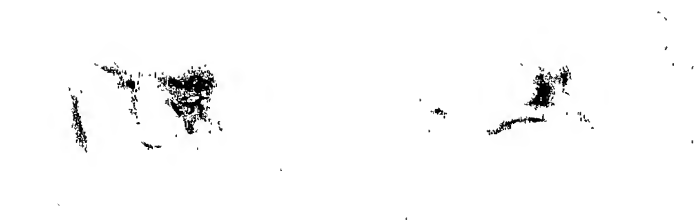
Saline

4



Ran

3



Ant

2



TAT

FIG.4A



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FIG. 4B

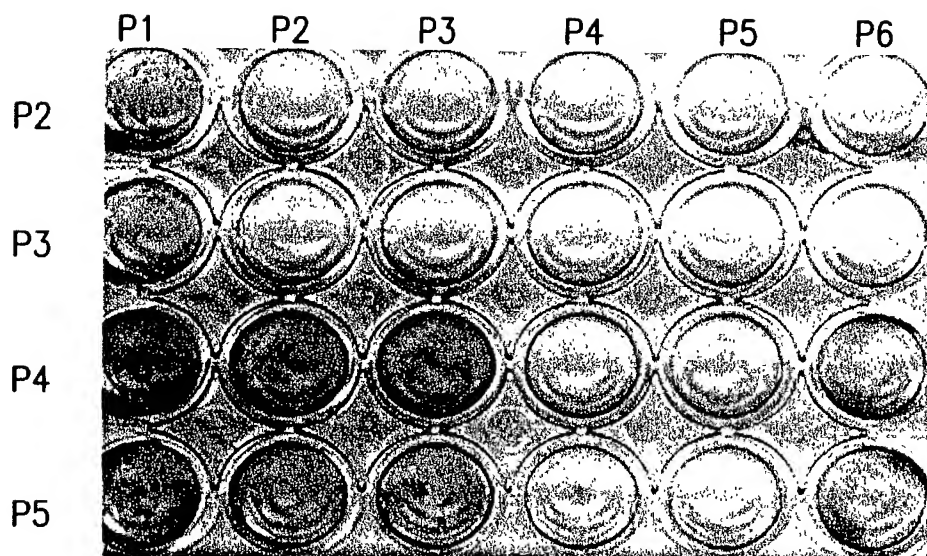


FIG.5



1007566.9 .090302

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FIG. 6A



FIG. 6B

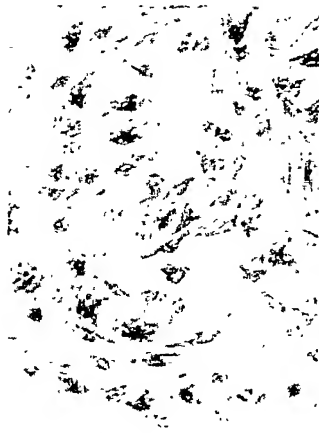


FIG. 6C

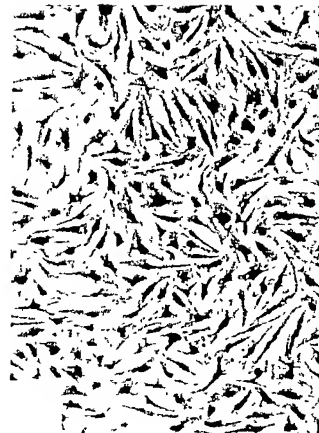


FIG. 6D

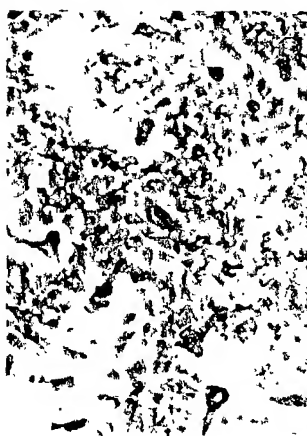
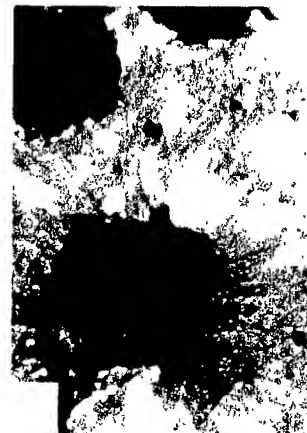


FIG. 6E



FIG. 6F





14075869 . 000302

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FIG. 6I

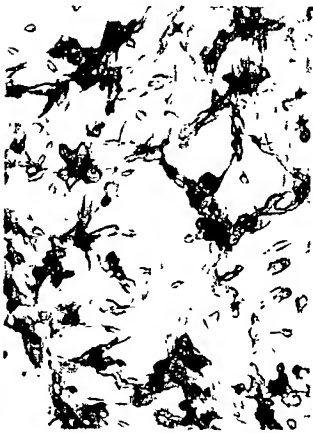


FIG. 6H



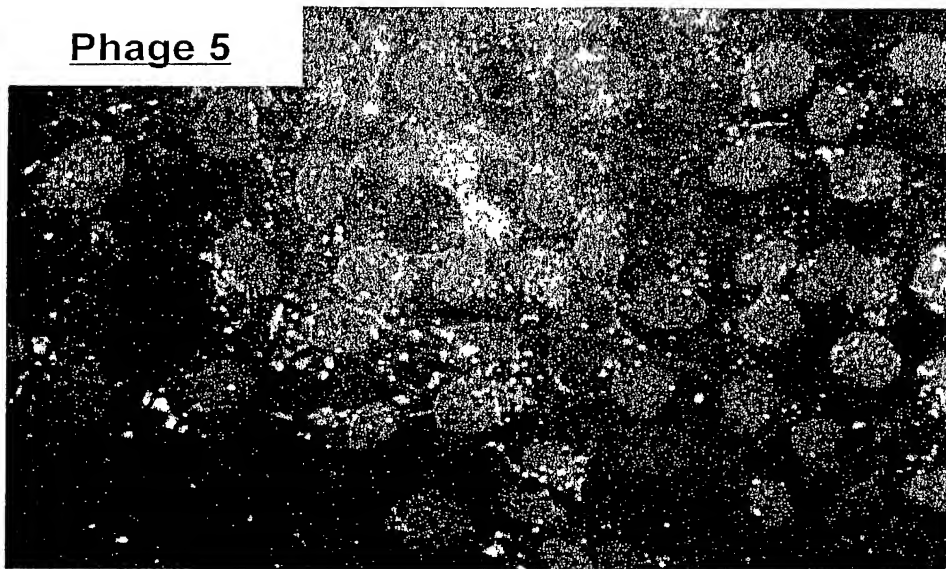
FIG. 6G



10075660, 000306

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Phage 5



Phage 3

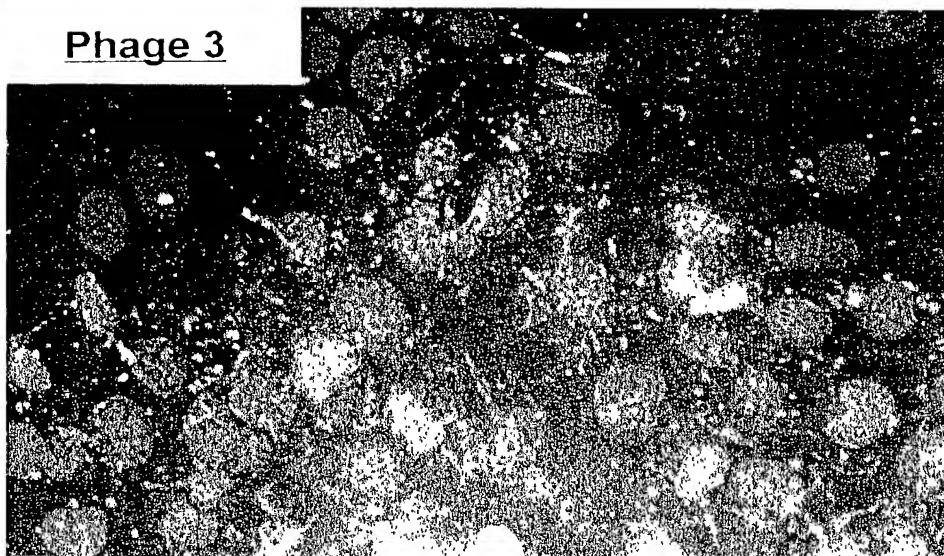
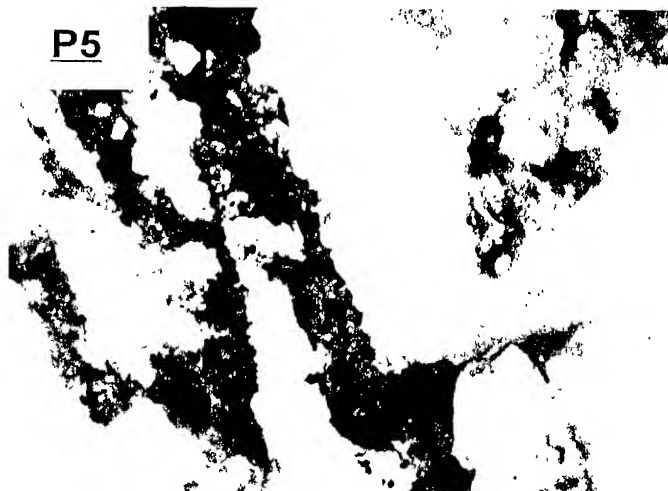


FIG.7

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P5



P3



P.P

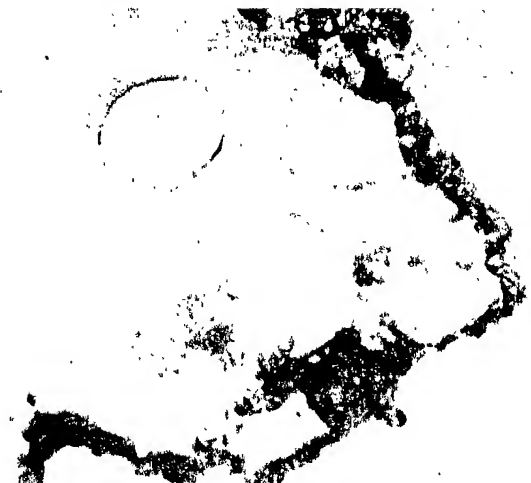


FIG.8

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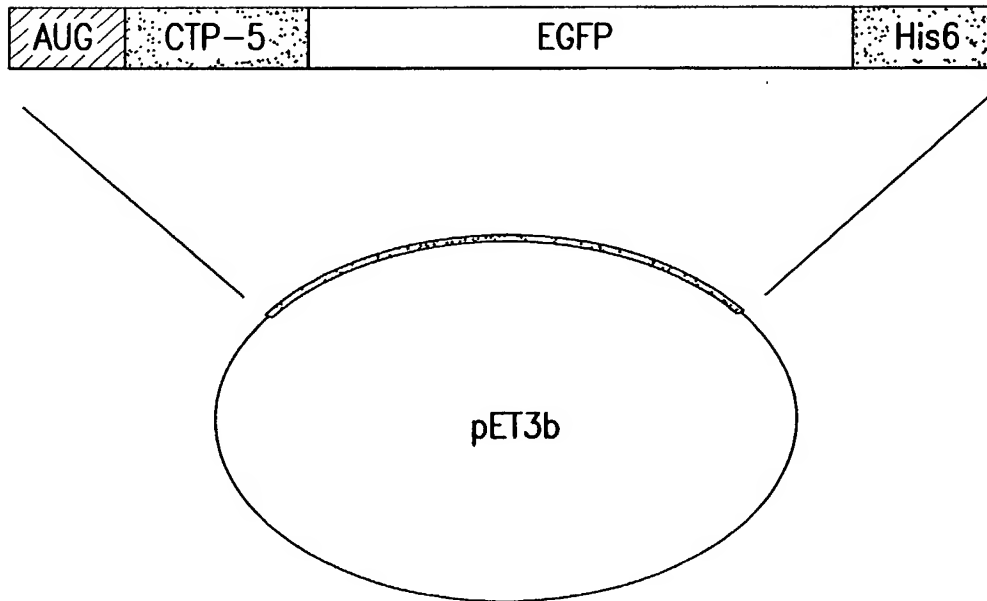


FIG.9A



10075449 . 000302

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FIG. 9B



FIG. 9D



FIG. 9F



FIG. 9C

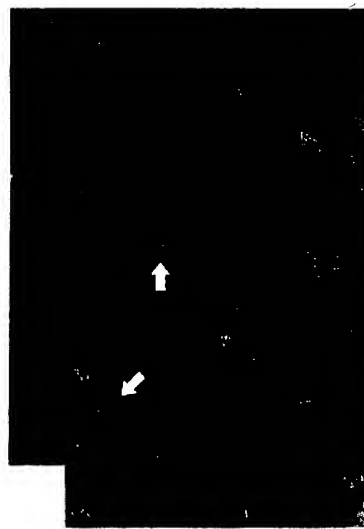


FIG. 9E



FIG. 9G



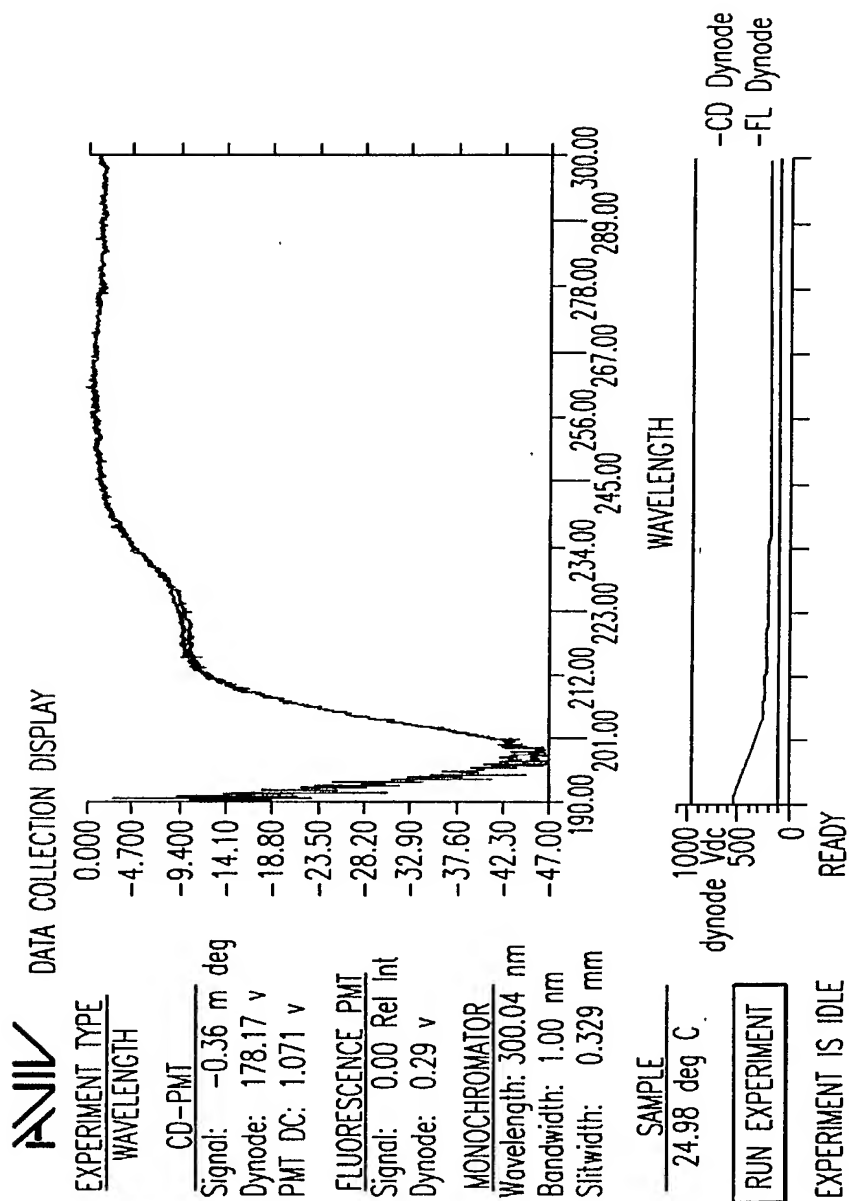
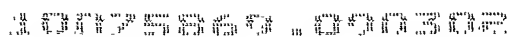


FIG. 10A



1.0075959 .000302

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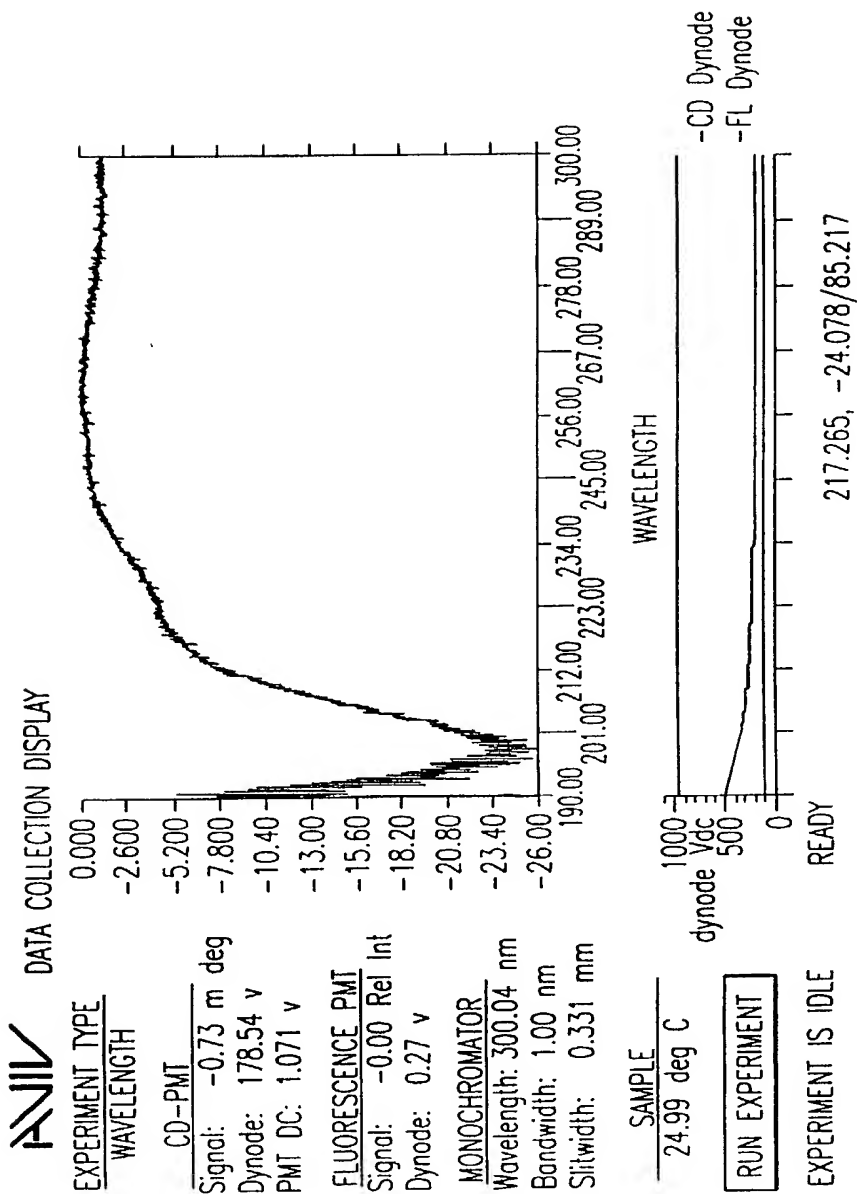


FIG.10B



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10075559, 040302

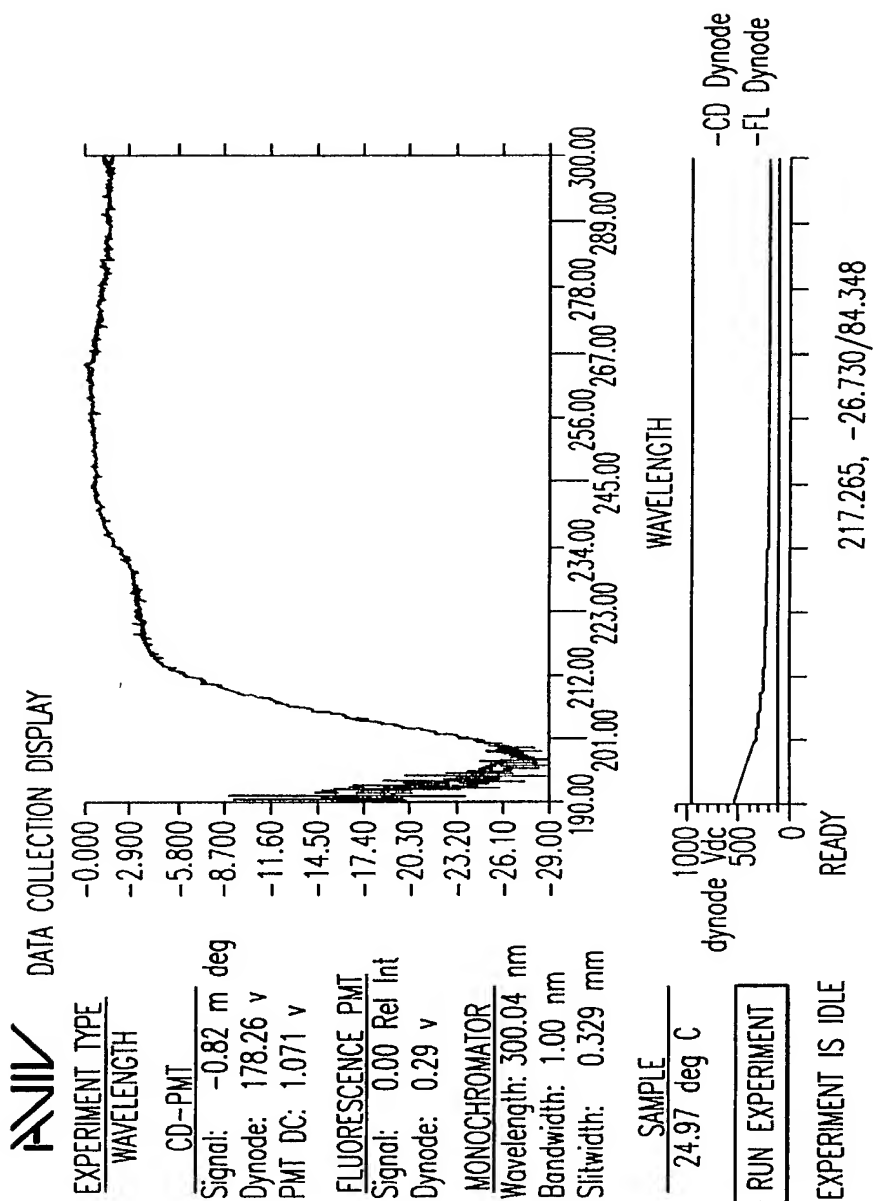


FIG.10C



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#0075554, 030302

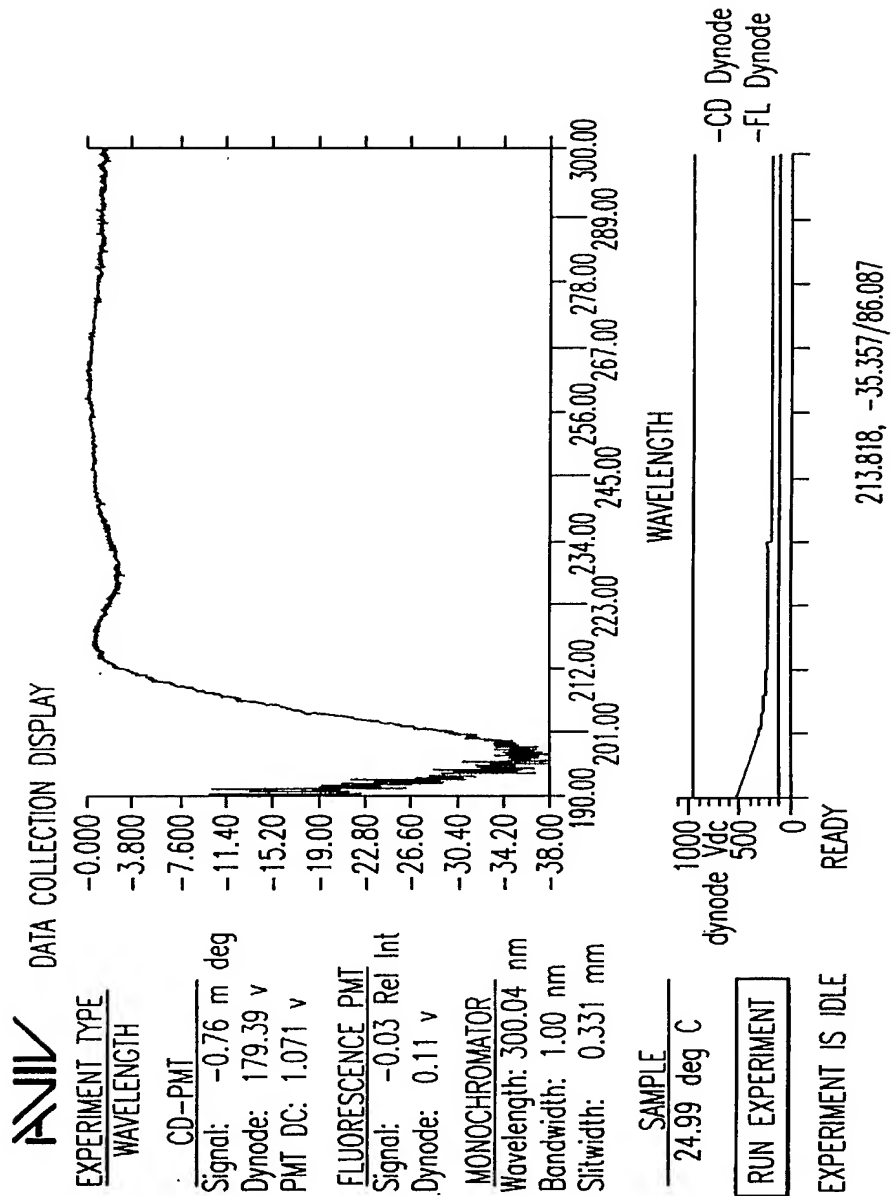


FIG.10D



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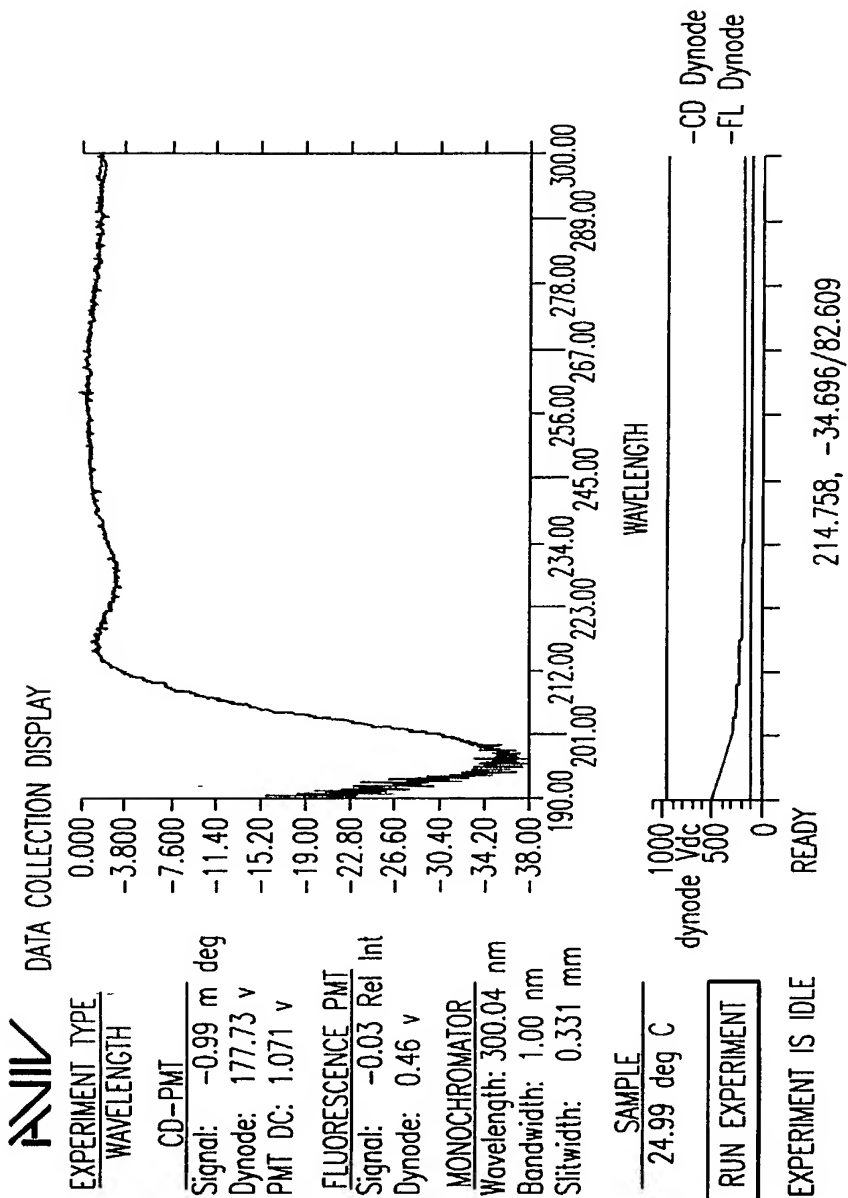


FIG.10E

40073955.0, 00000000



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40075563.00000000

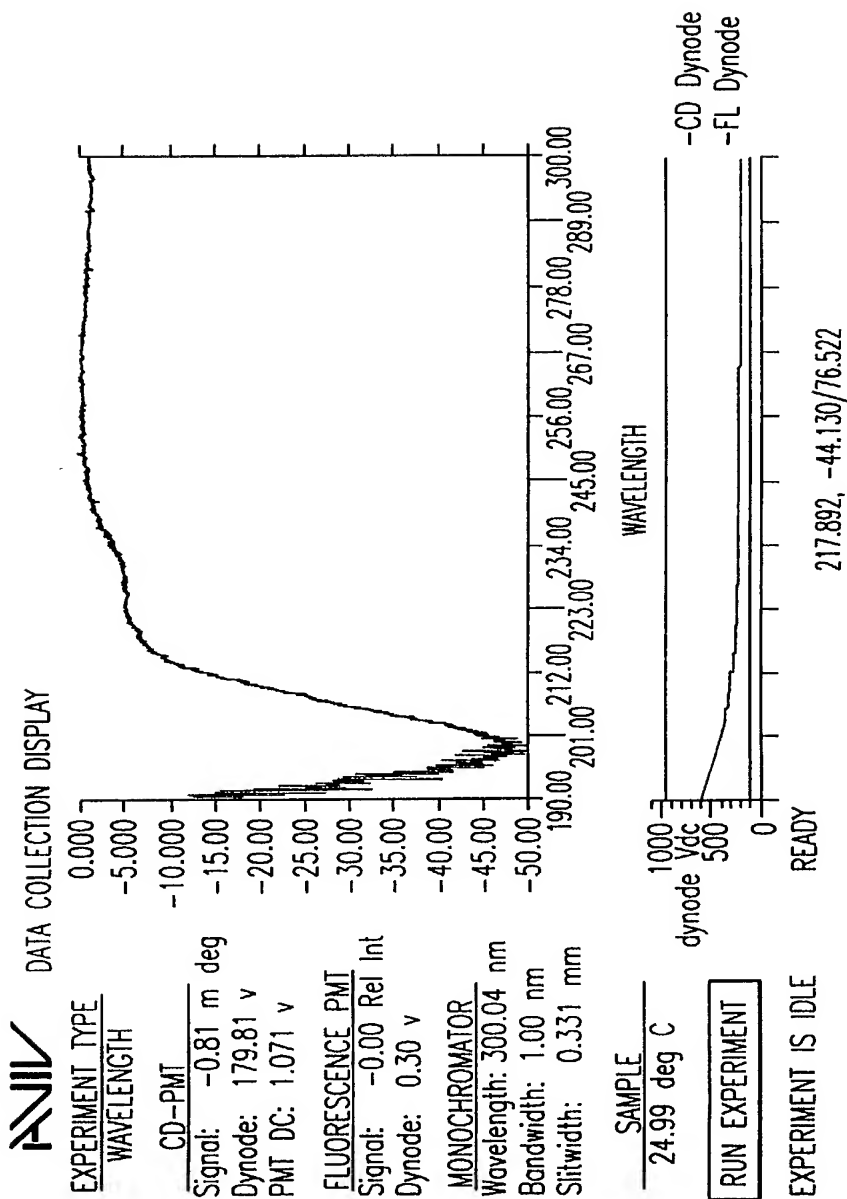


FIG.10F



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4.0075555 . 0.000302

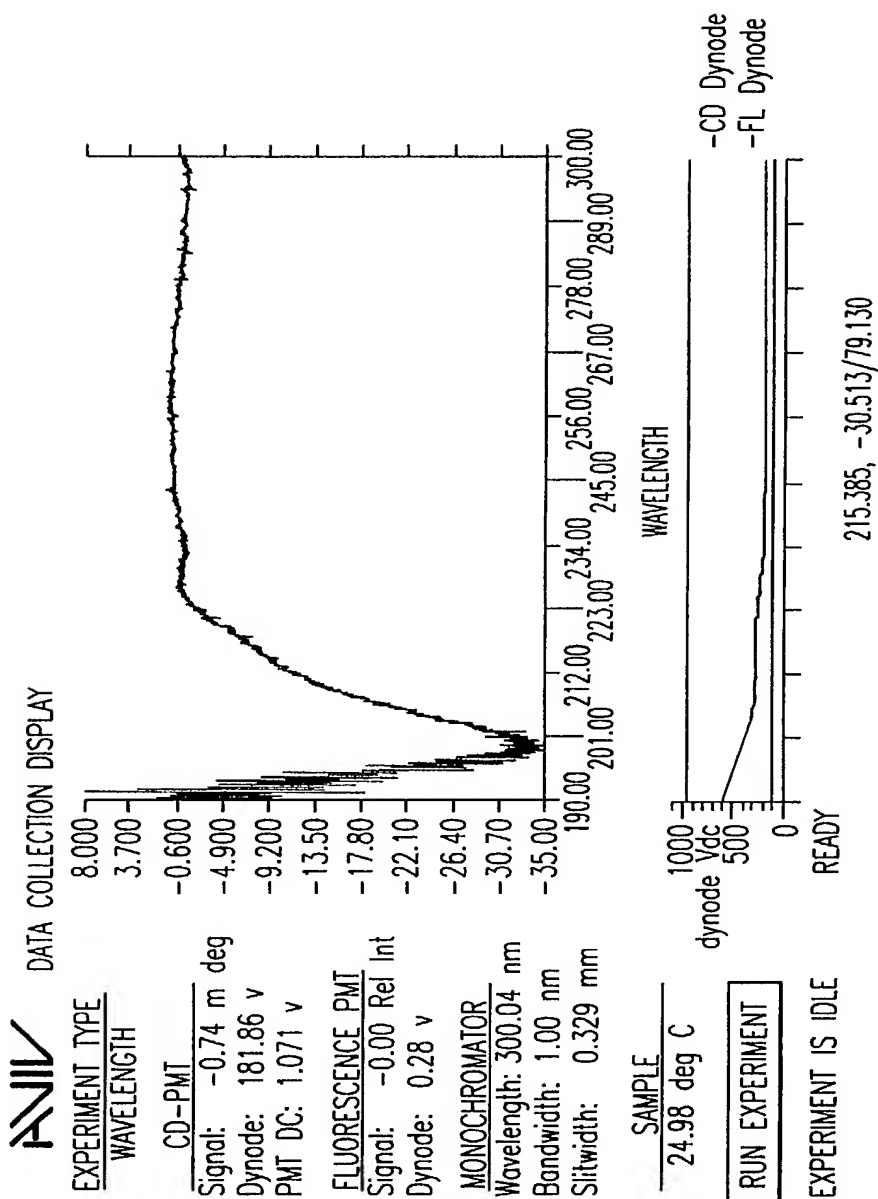


FIG.10G

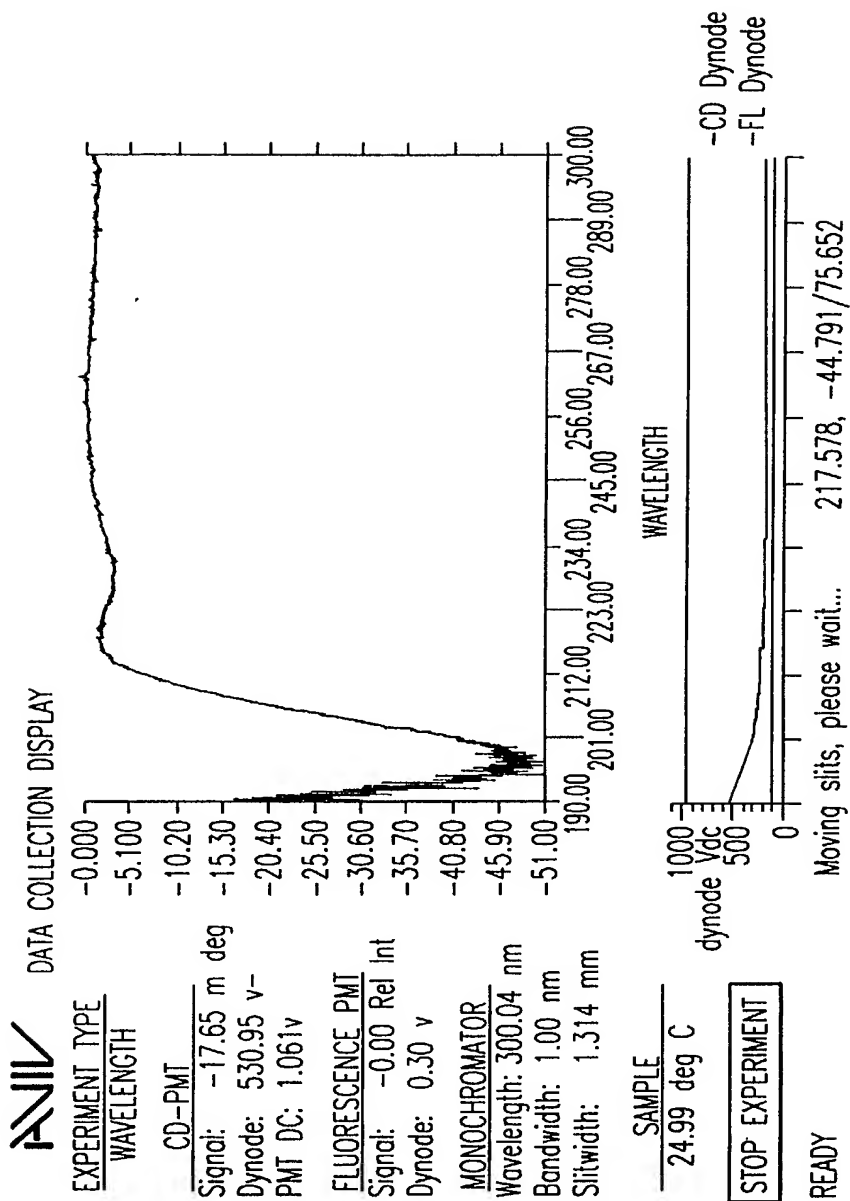
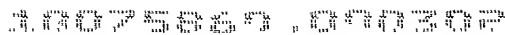
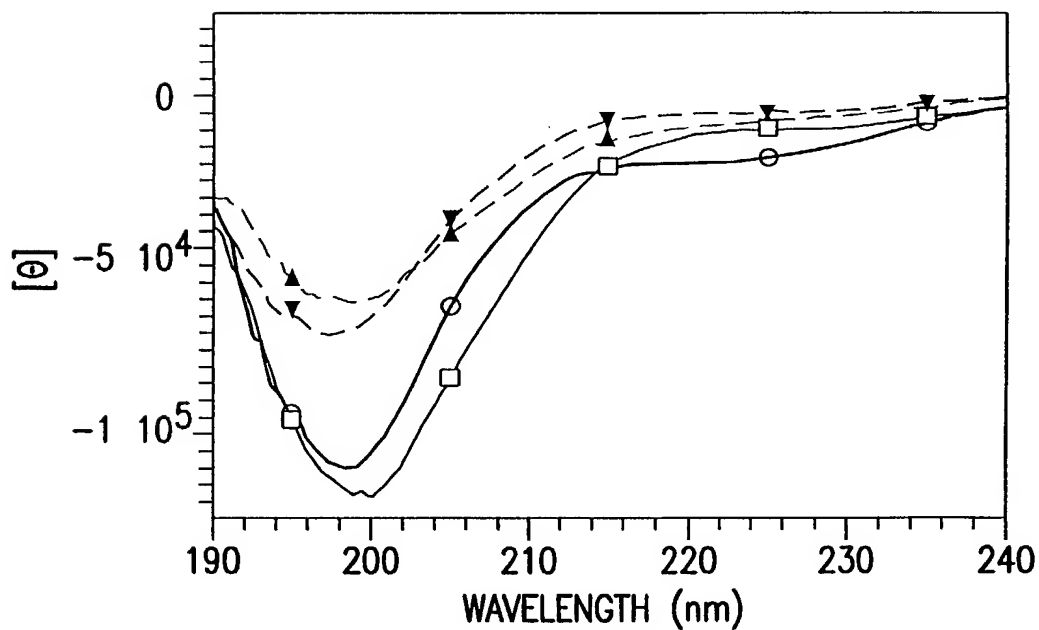
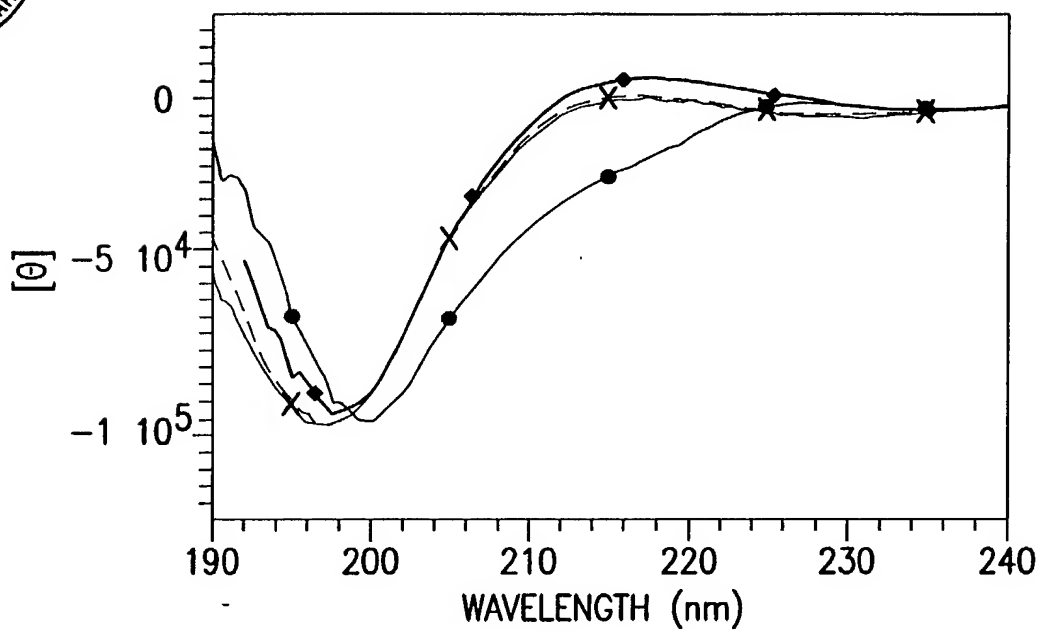


FIG. 10H

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10075869 .000302

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Non-Biotinylated 100x Excess

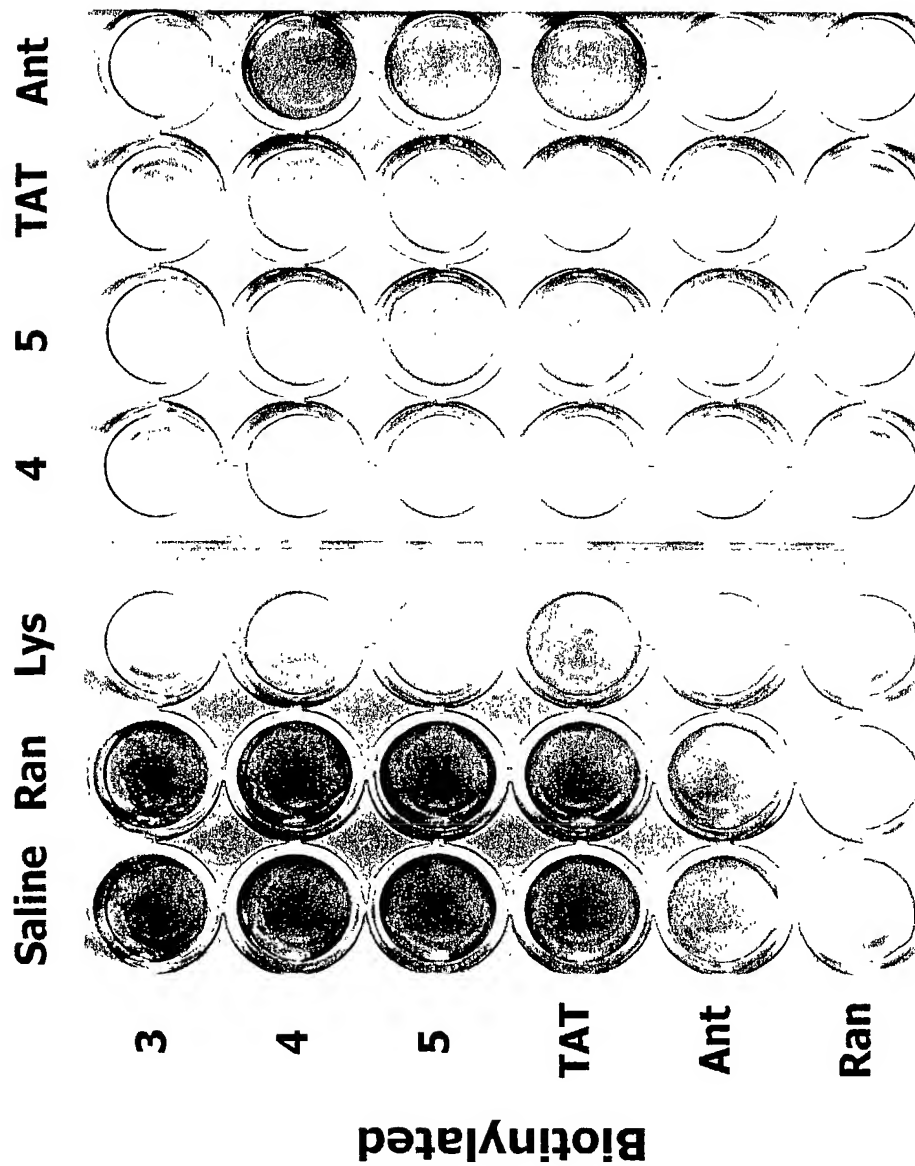


FIG.12



10075560-050302

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FIG.13B



FIG.13D



FIG.13A

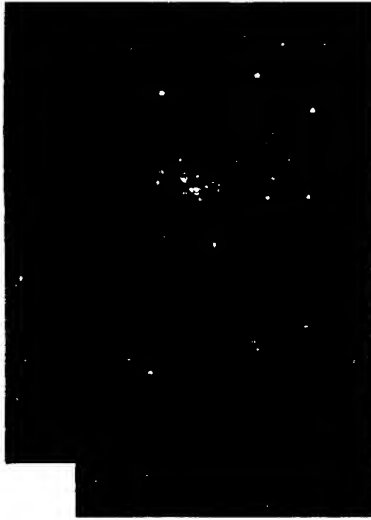


FIG.13C





10075969, 090302

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CTP-5-(KLAKLAK)₂ Peptide Impairs Cell Viability in Hg 82 Cells

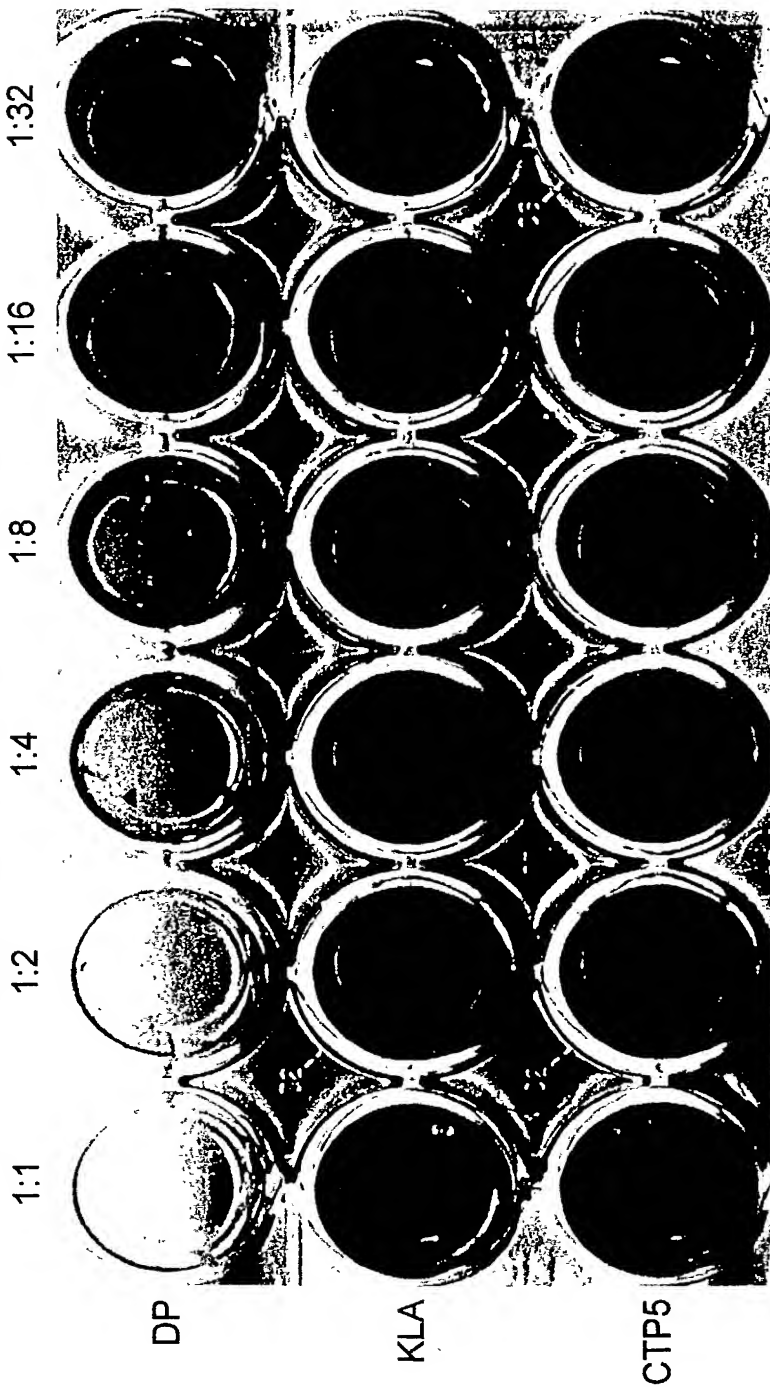


FIG.14



10075569.090707

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CTP-5-(KLAKLAK)₂ PEPTIDE IMPAIRS CELL
VIABILITY IN Hig 82 CELLS

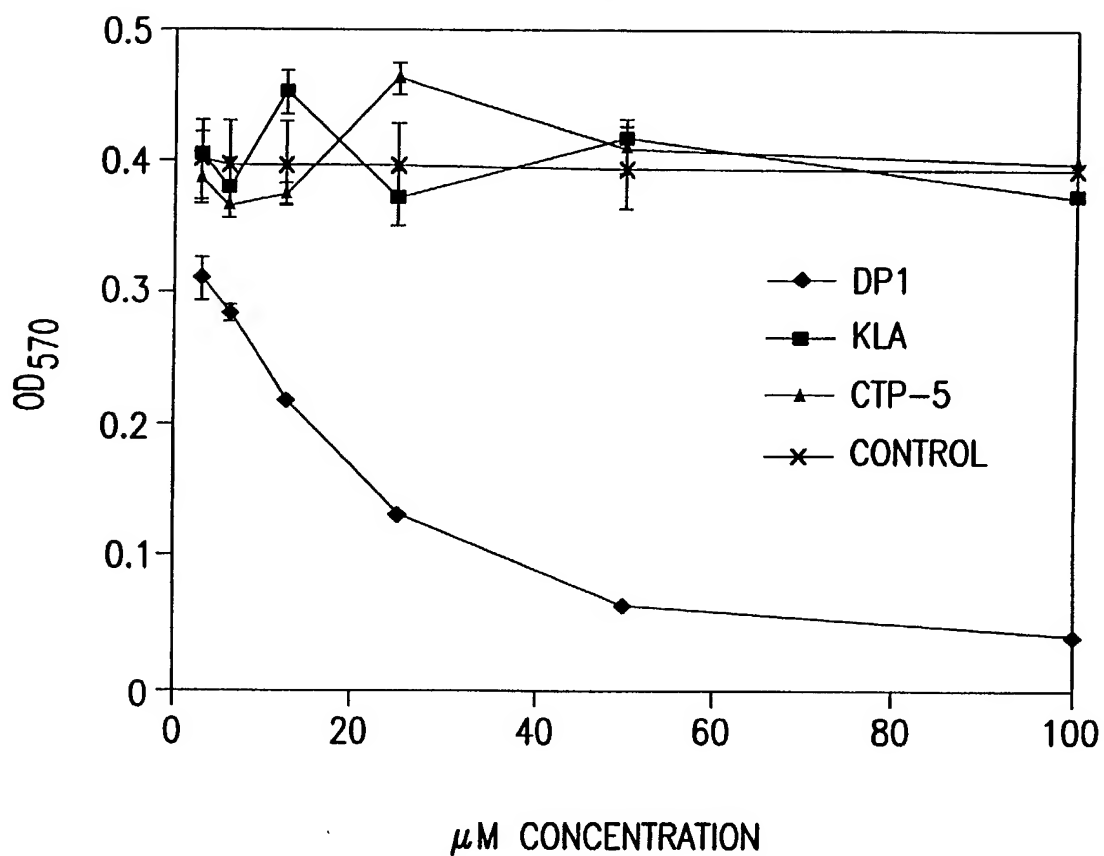


FIG.15



10075859.090302

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EFFECT OF CTP-5-(KLAKLAK)₂ PEPTIDE
ADMINISTRATION ON DAY 7 MCA205 TUMORS

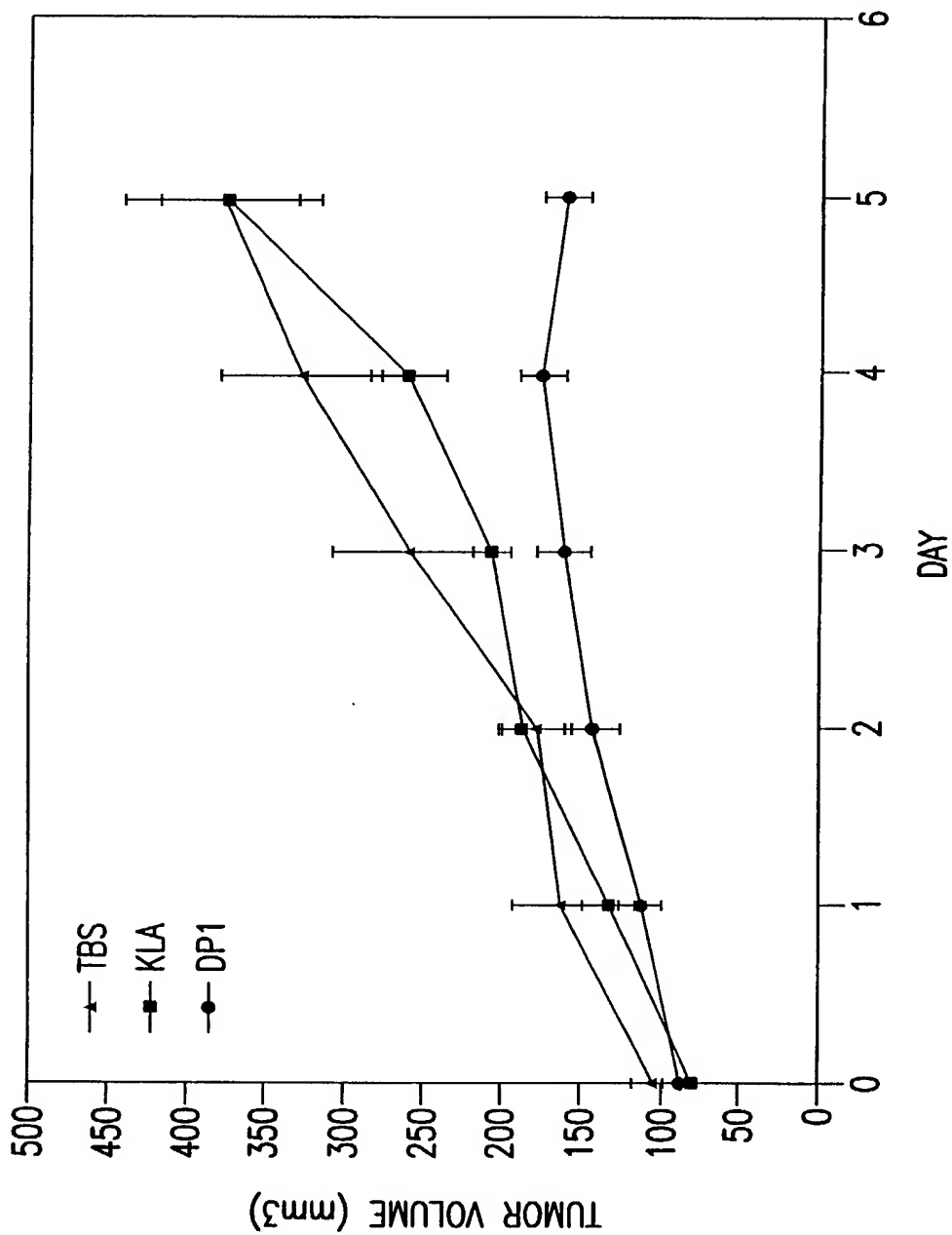
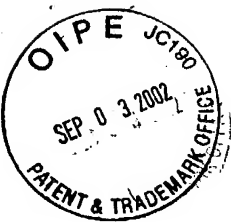
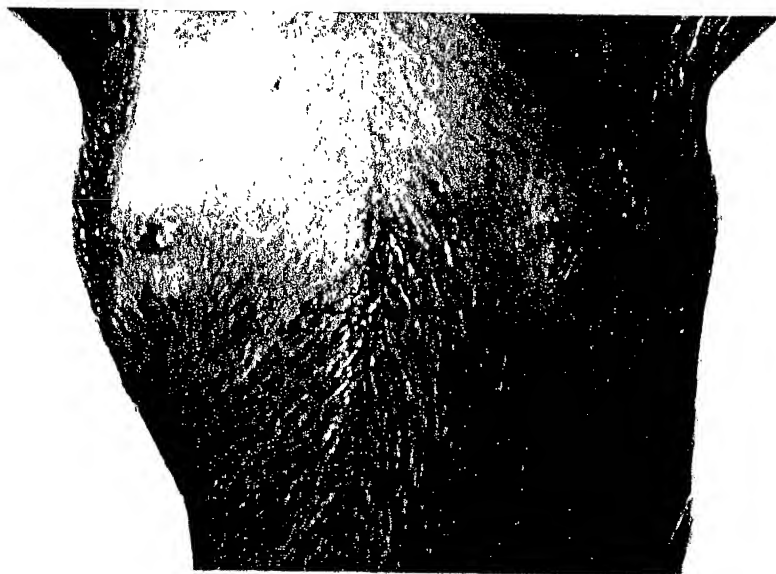


FIG.16A

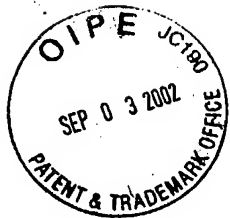


KLA



DP1

FIG.16B



10075869.000302

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KLA



DP1

FIG.16C



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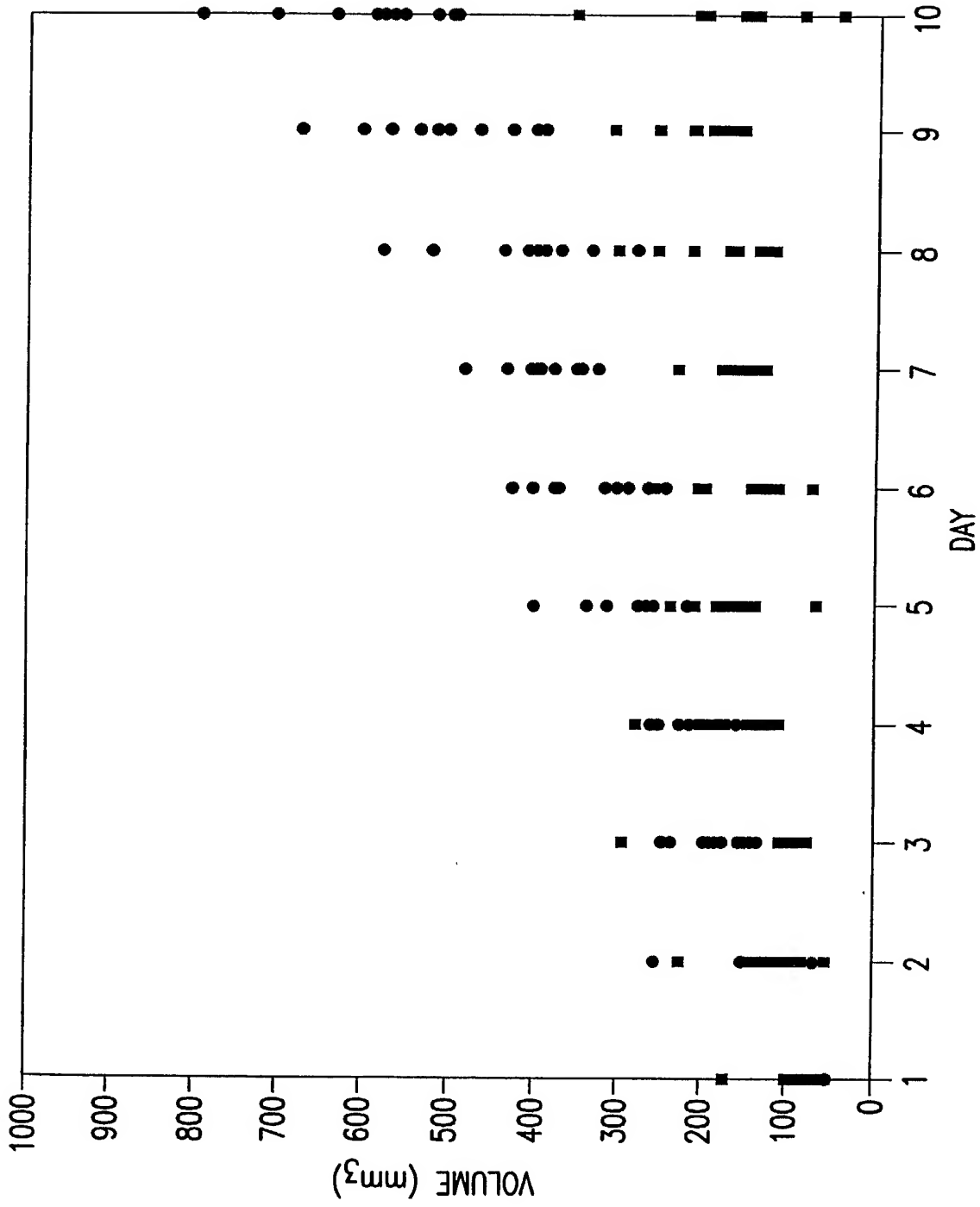


FIG. 16D



11075557.10000000

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**CD34⁺/LIN⁻ Stem Cells Are Transduced by a
CTP-5-Biotin/Avidin- β -Galactosidase
Complex**

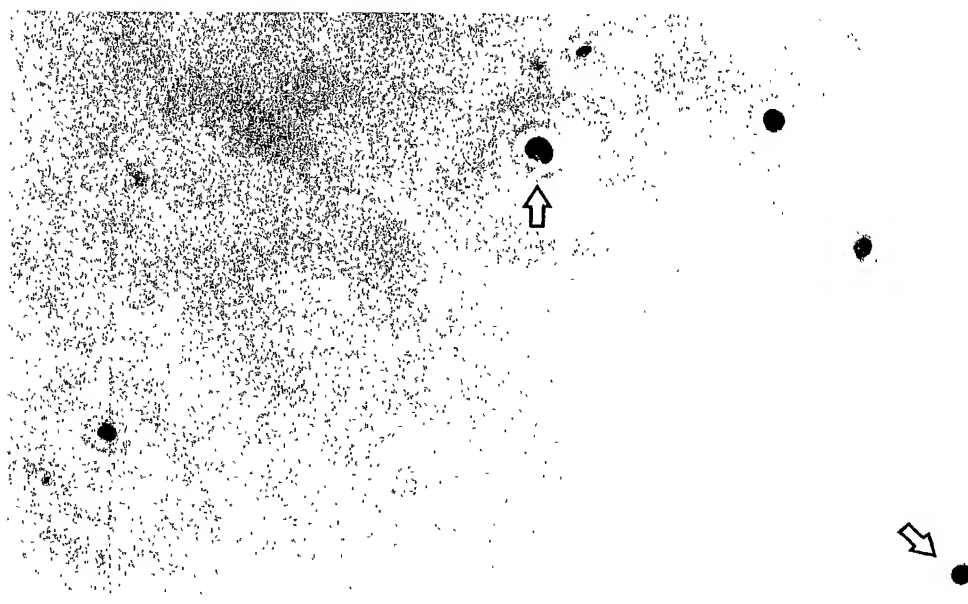
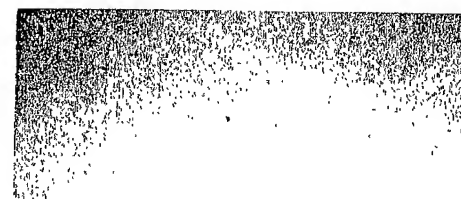


FIG.17



10075069 . 070302

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TUNEL



KLA



H&E

DP1

FIG.18



10075860 .09031E

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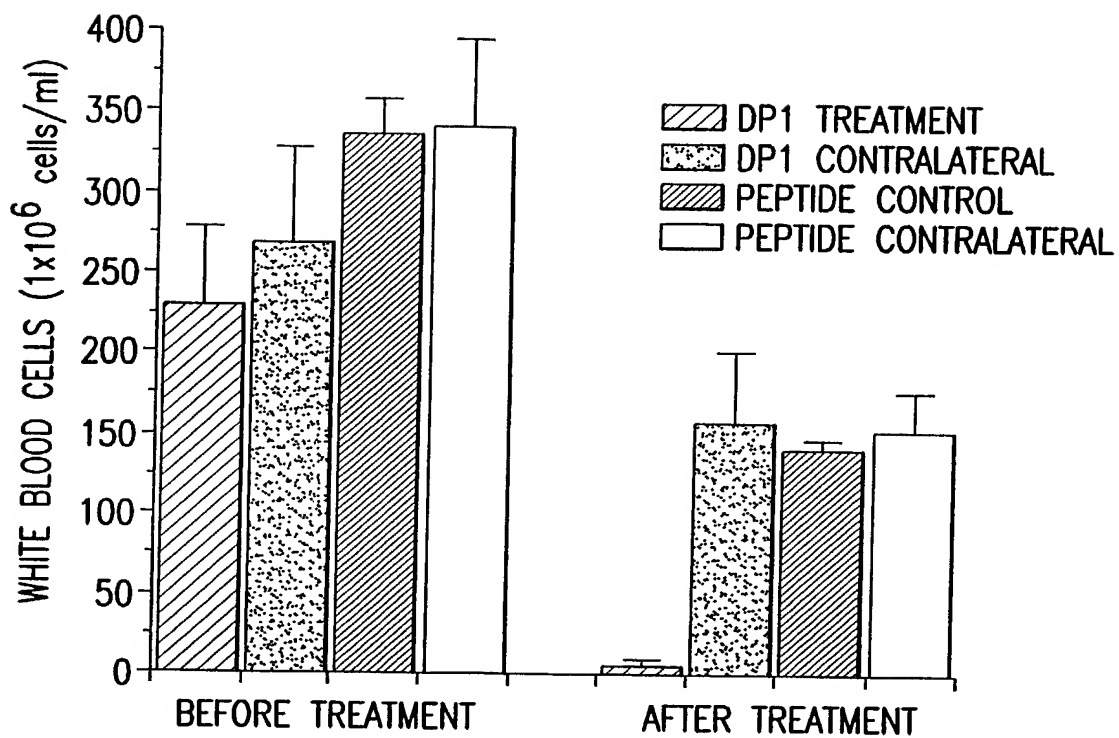


FIG.19

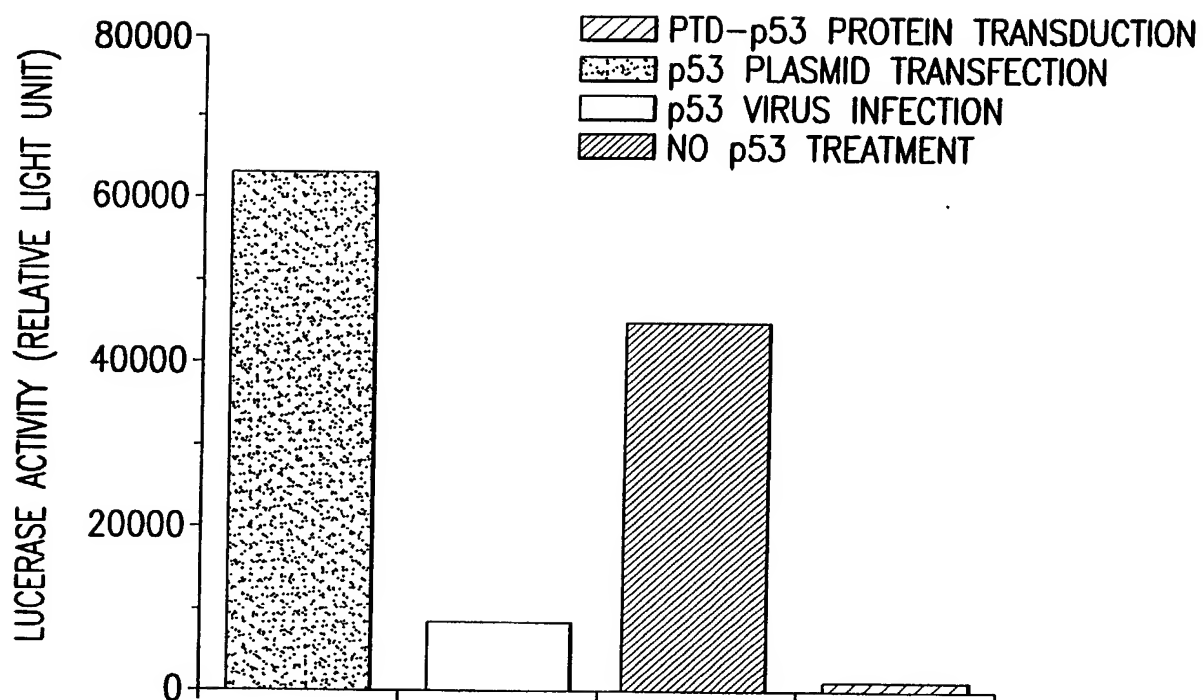


FIG.20

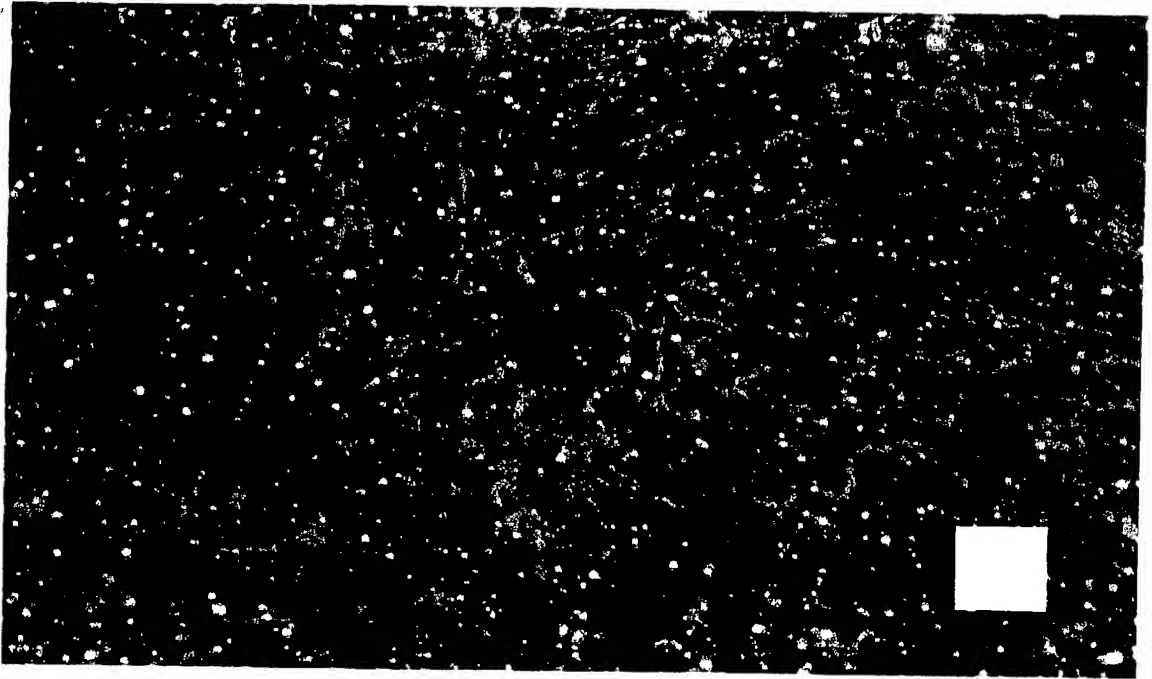


FIG.21A

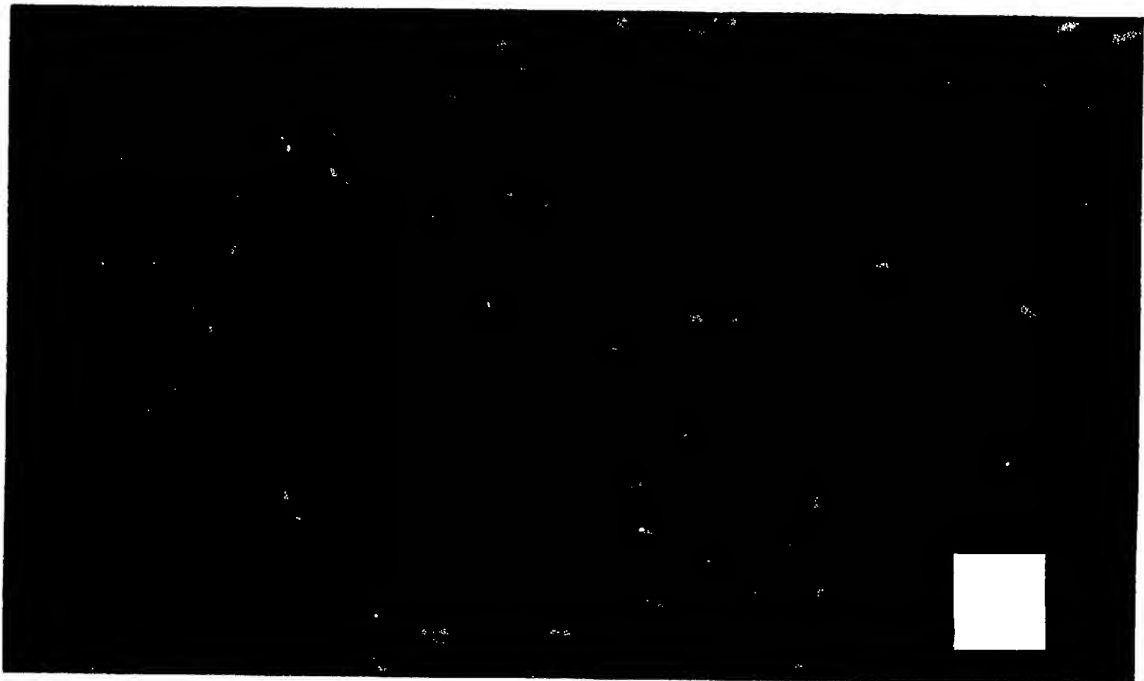


FIG.21B



10075569 .090302

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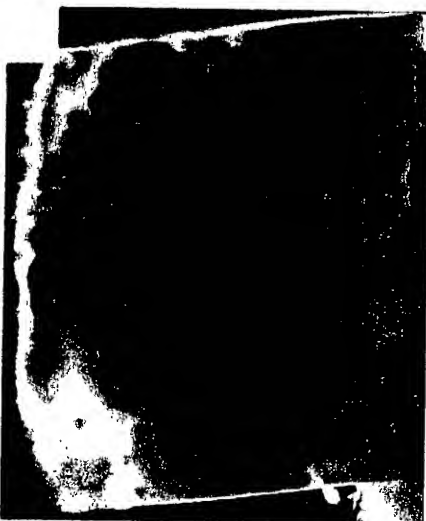


FIG.22C

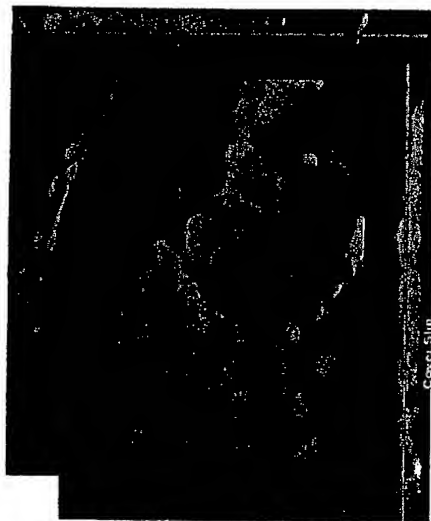


FIG.22B

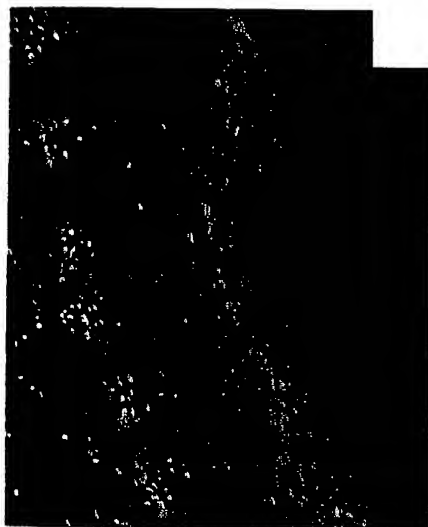


FIG.22A



10075449 . 000312

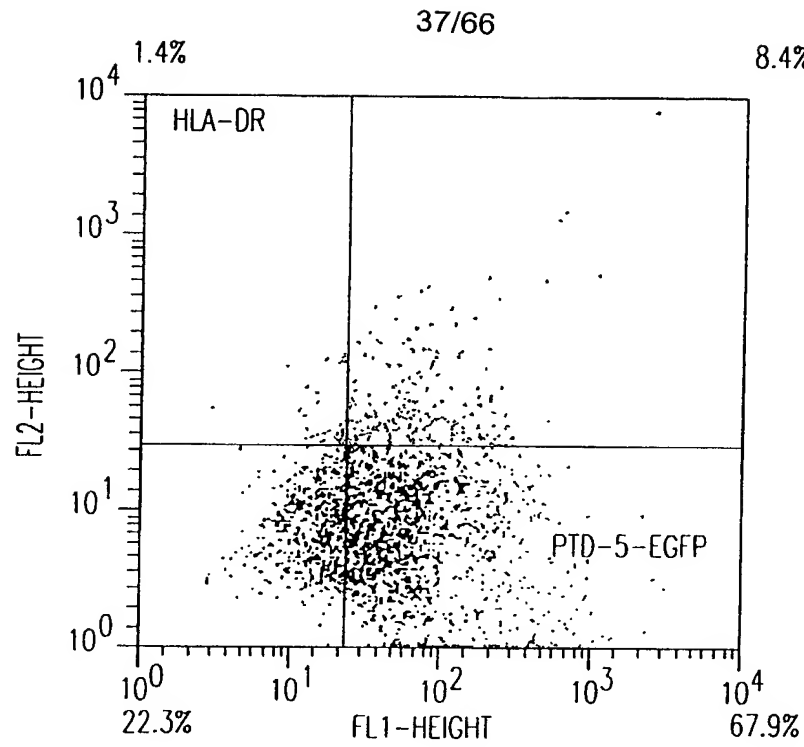


FIG.22D

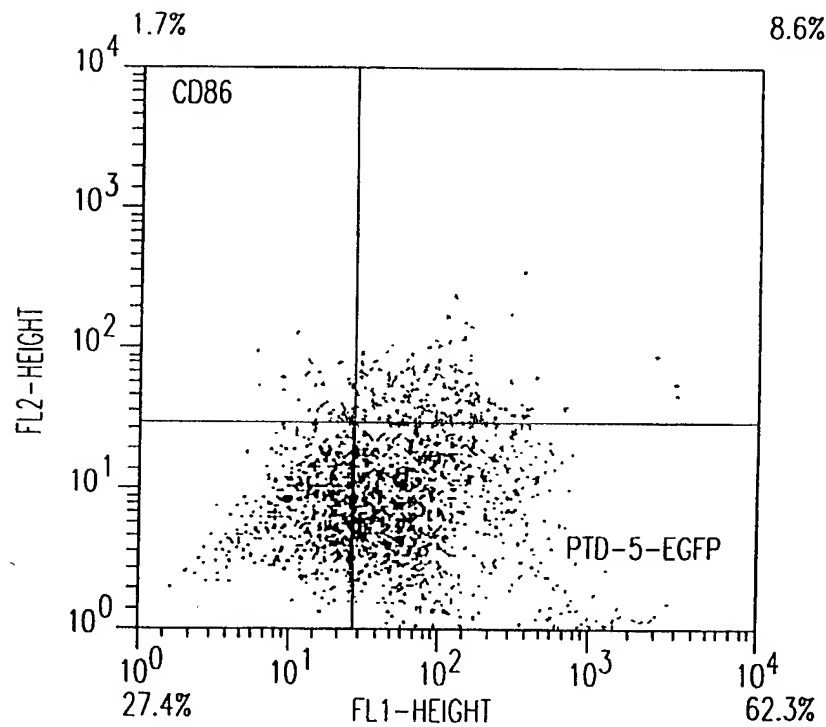


FIG.22E

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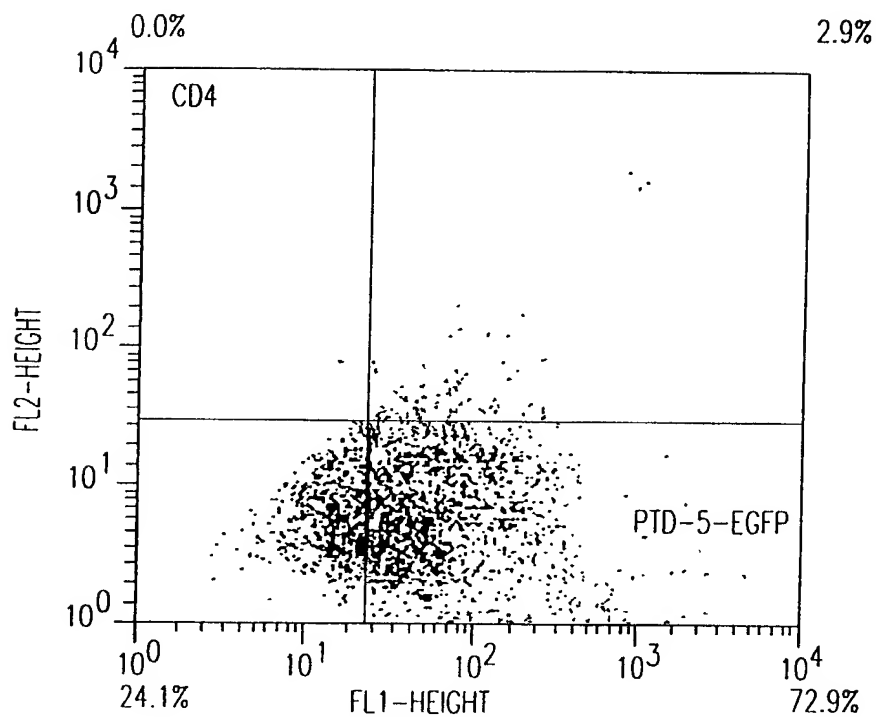


FIG. 22F

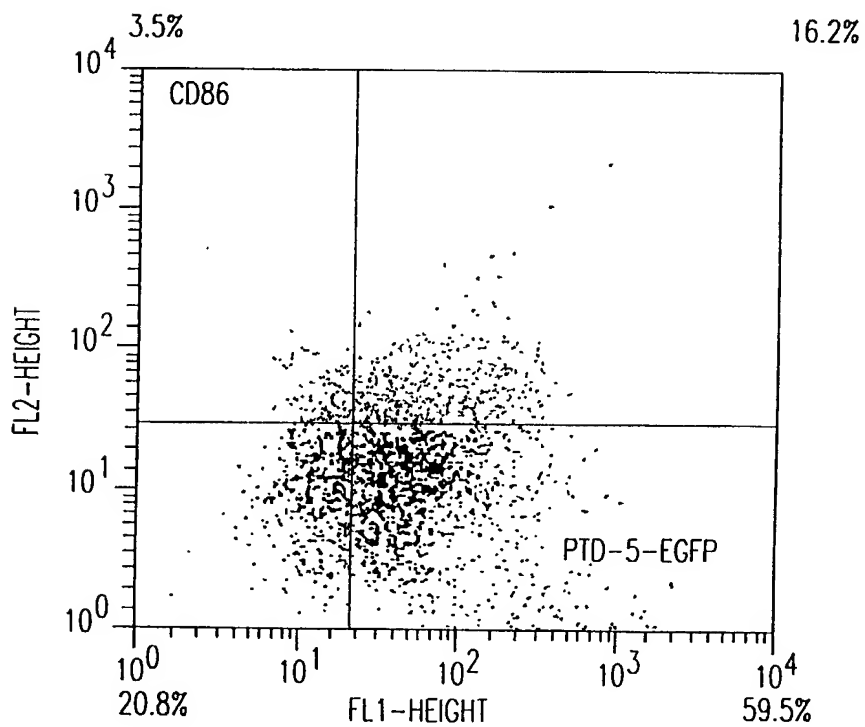


FIG. 22G





10725869 . 170302

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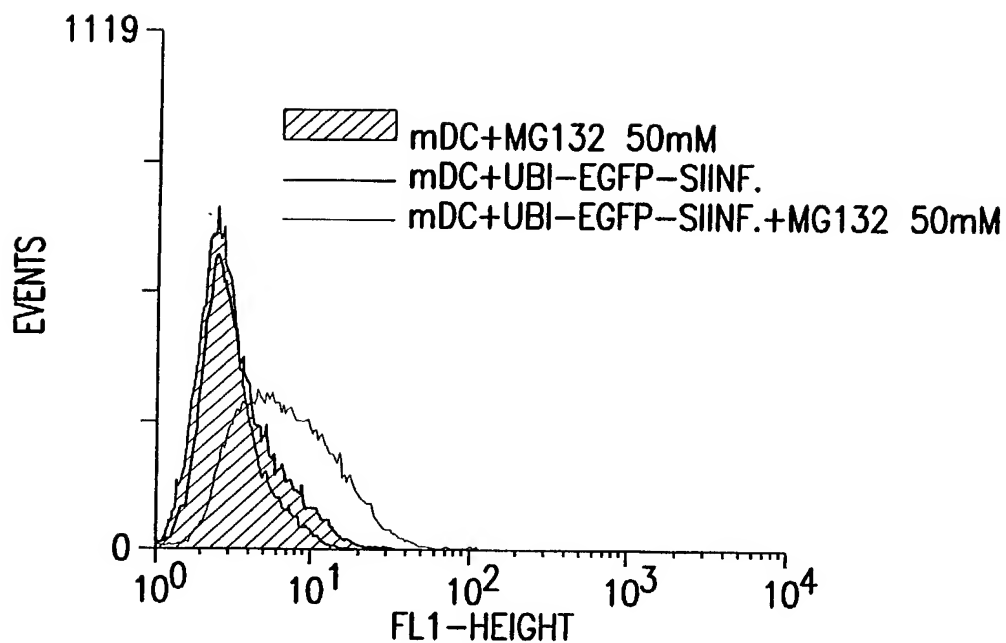


FIG.23A

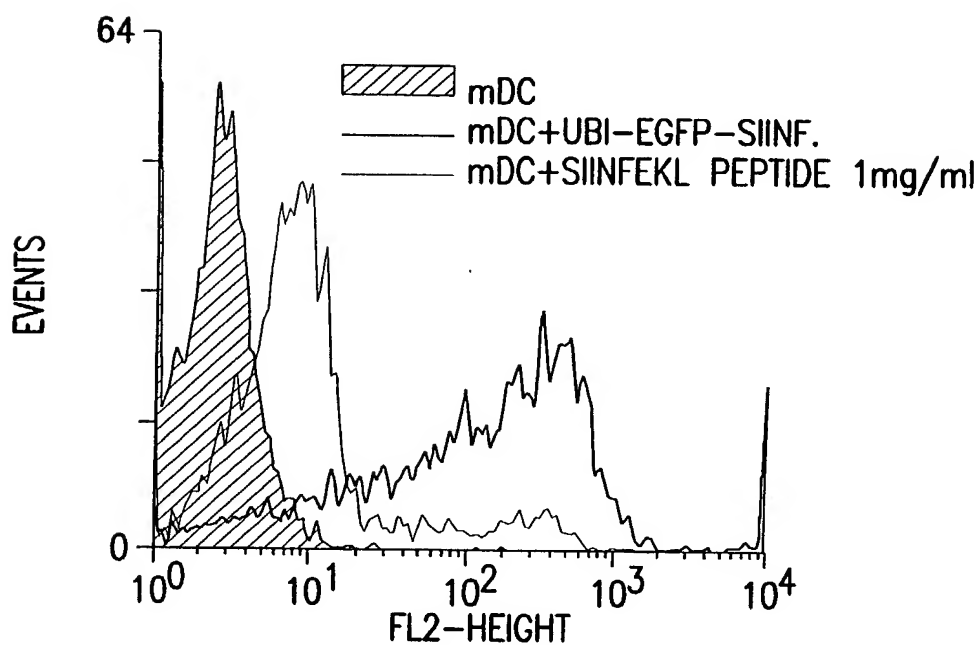


FIG.23B

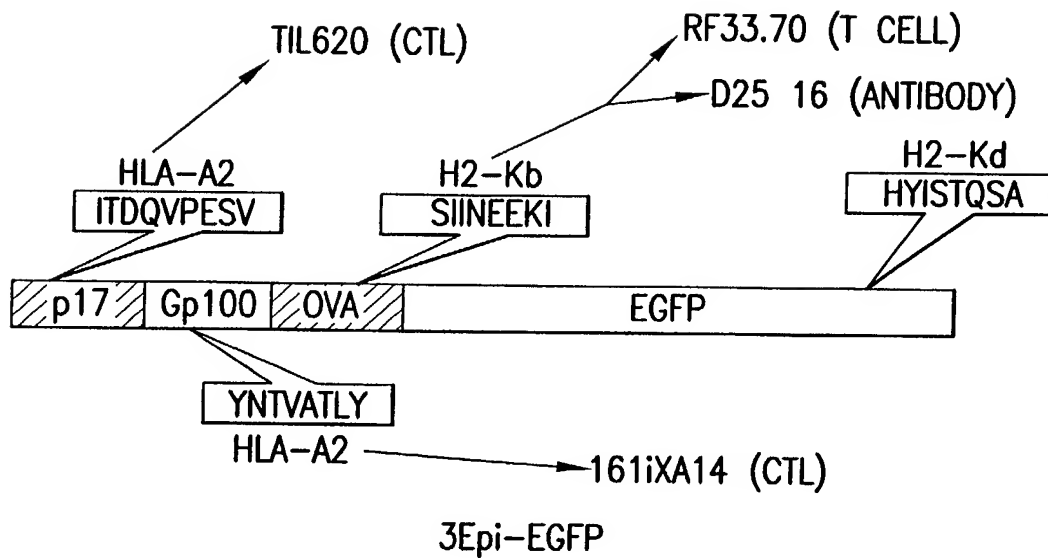


FIG.24



10075869 . 000302

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PTD-5 and Prostate peptide deliver β -Gal into DU145 tumor cells

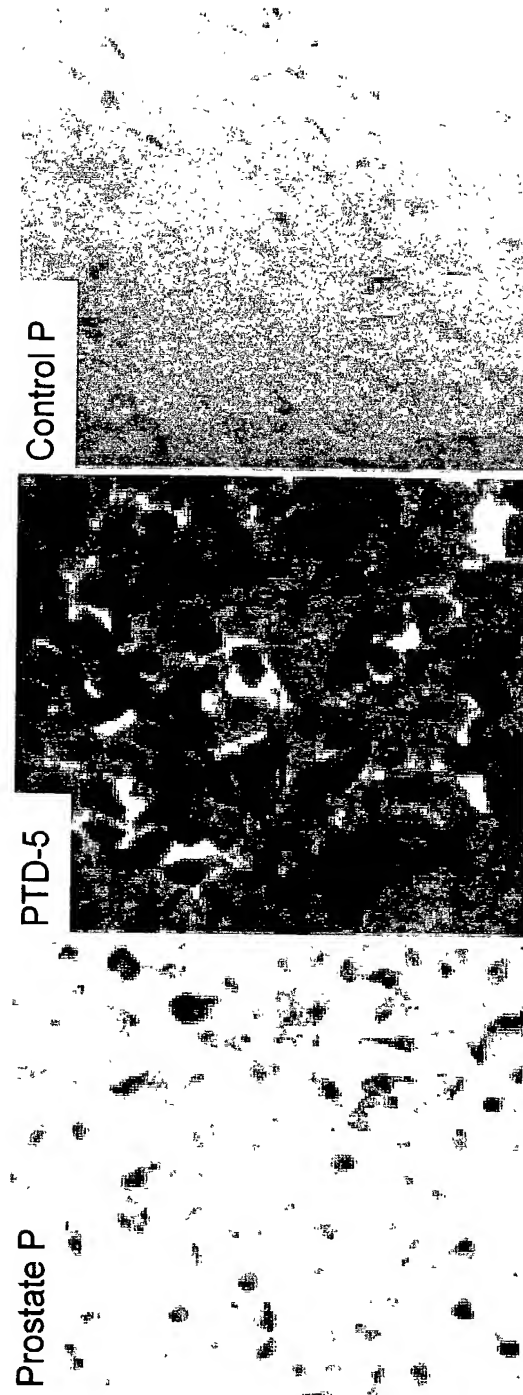


FIG.25



PTD-5 and Prostate peptide FITC facilitate uptake into DU145 tumor cells

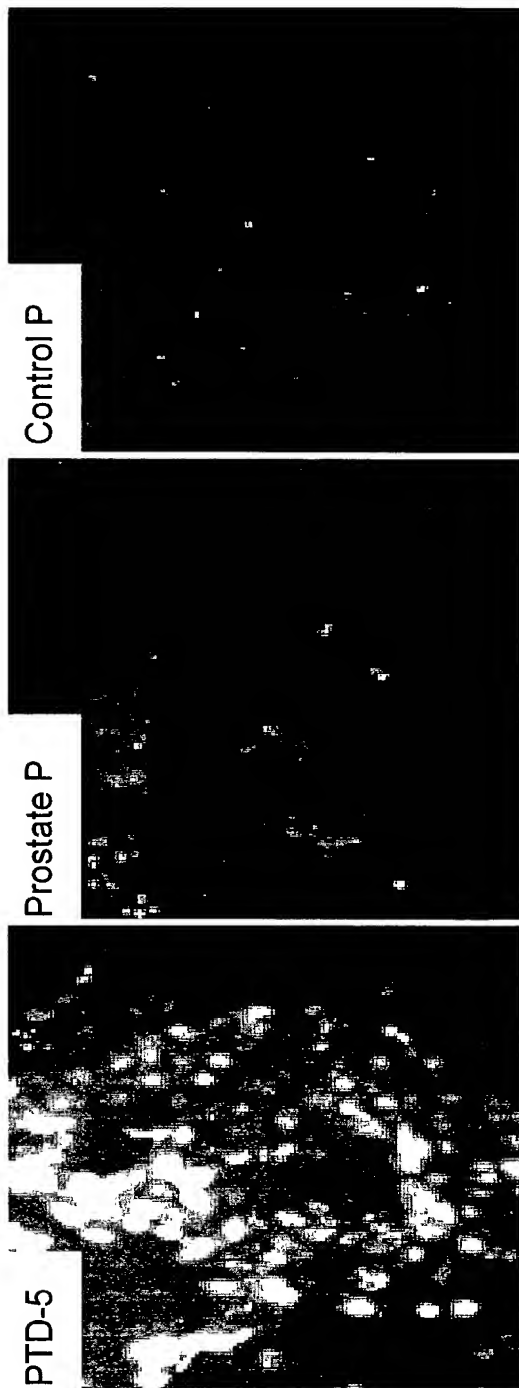


FIG.26

Peptide from Airway Segment Screening Facilitates
Uptake of β -Gal and Cy3 into Calu3 Cells

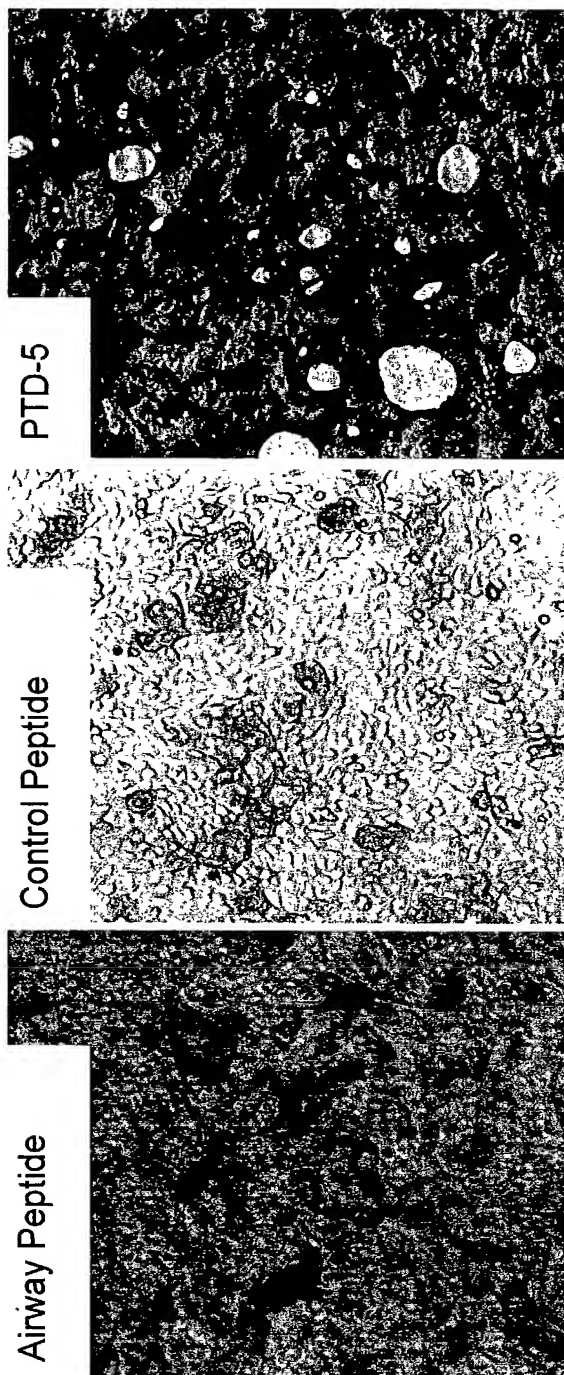


FIG.27



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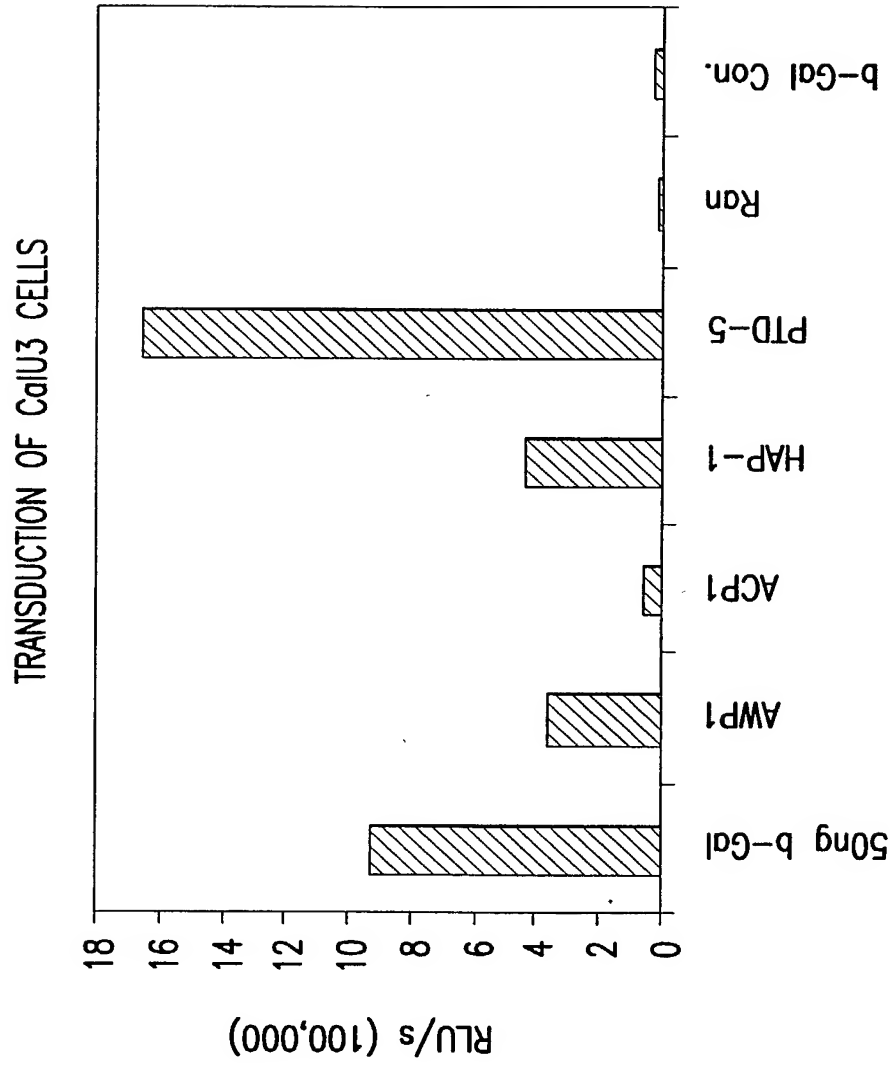


FIG. 28



10075869.000302

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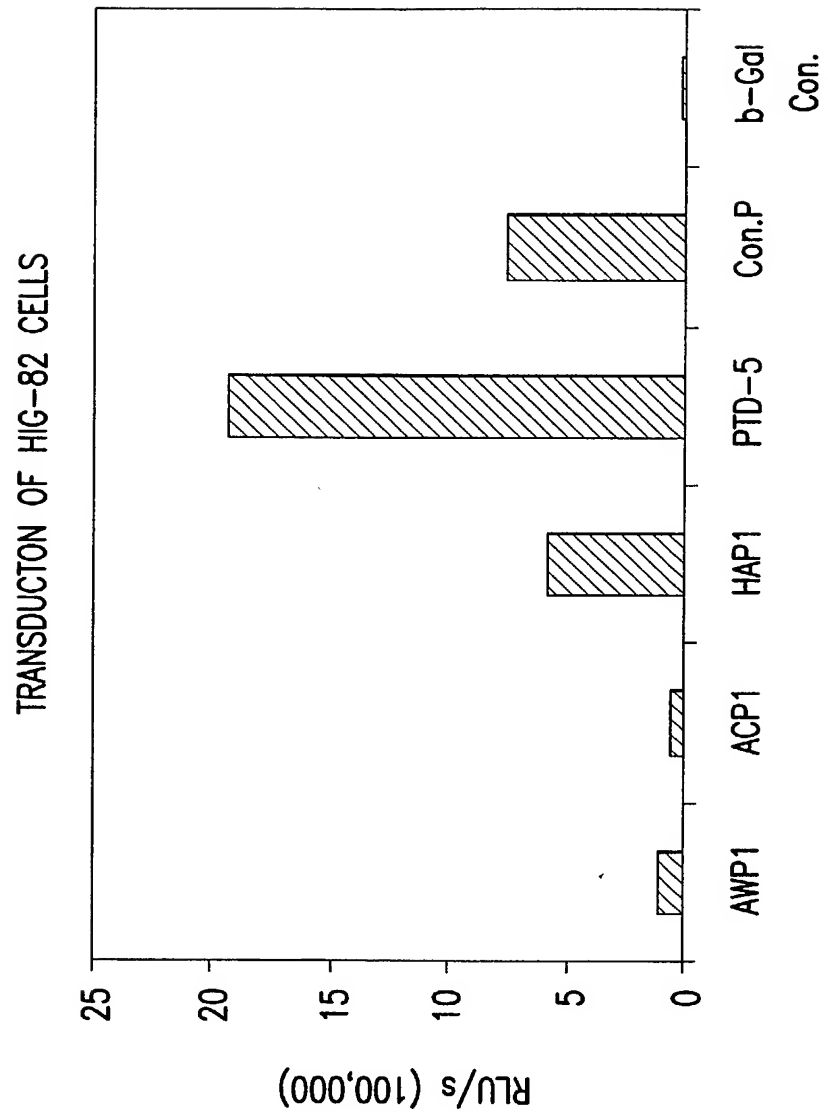


FIG. 29

PTD-5 and Airway Peptide Facilitate Delivery
of Avidin- β -Gal into Murine Lungs

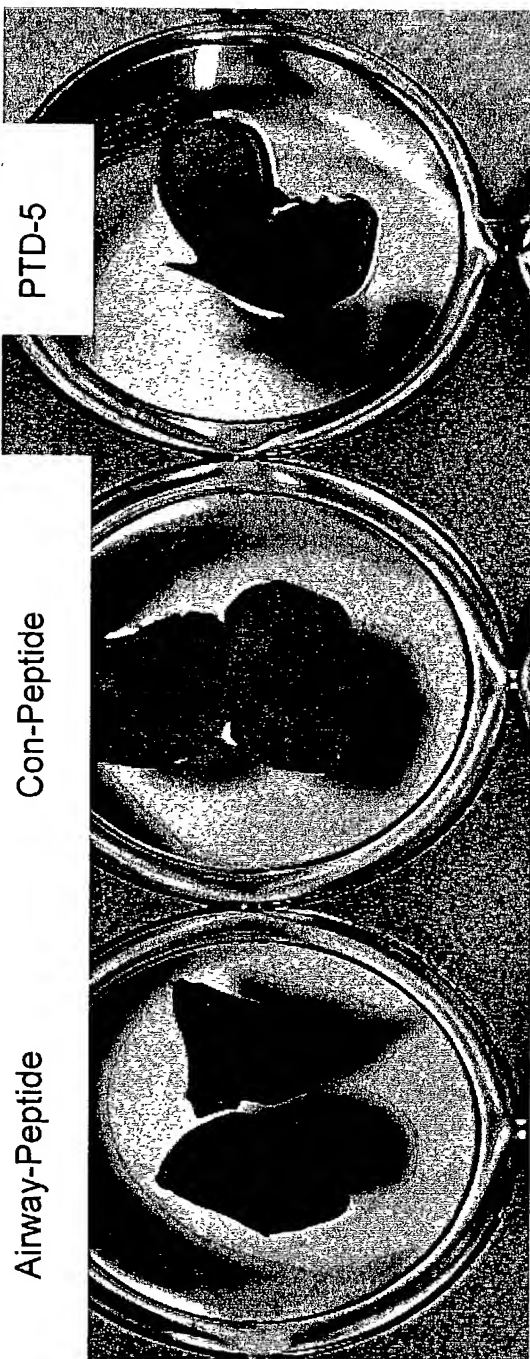


FIG.30



10075869 .000302

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PTD-5 and Airway Peptide Facilitate β -Gal Uptake into Murine Lungs
AWP1 PTD-5 Control

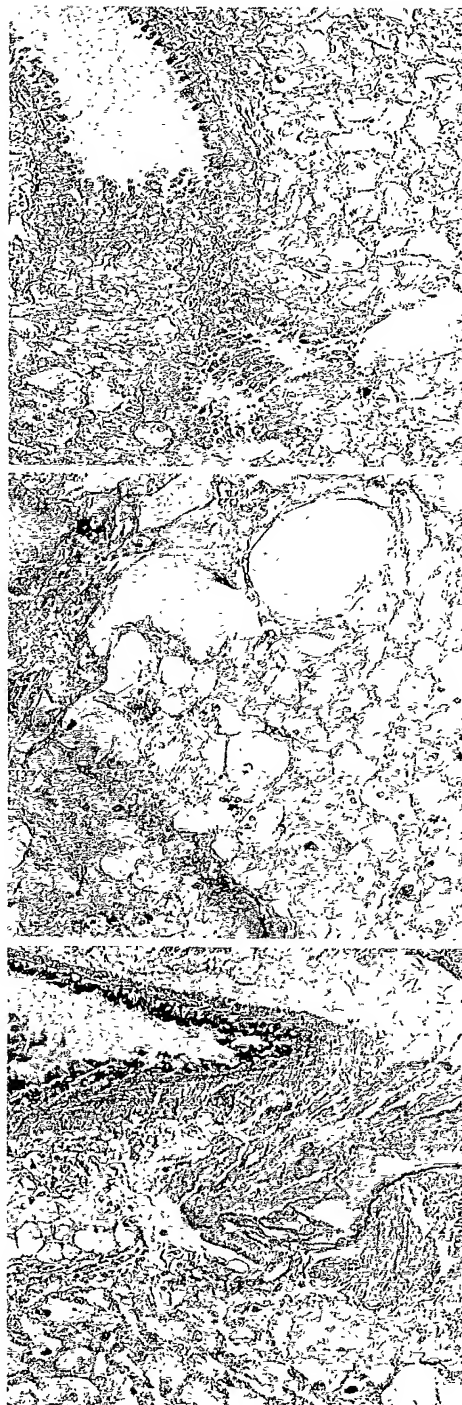


FIG.31



10075869 . 090302

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PTD-5 Delivers Cy3-Anti-Mouse IgG into Hlg-82 Cells

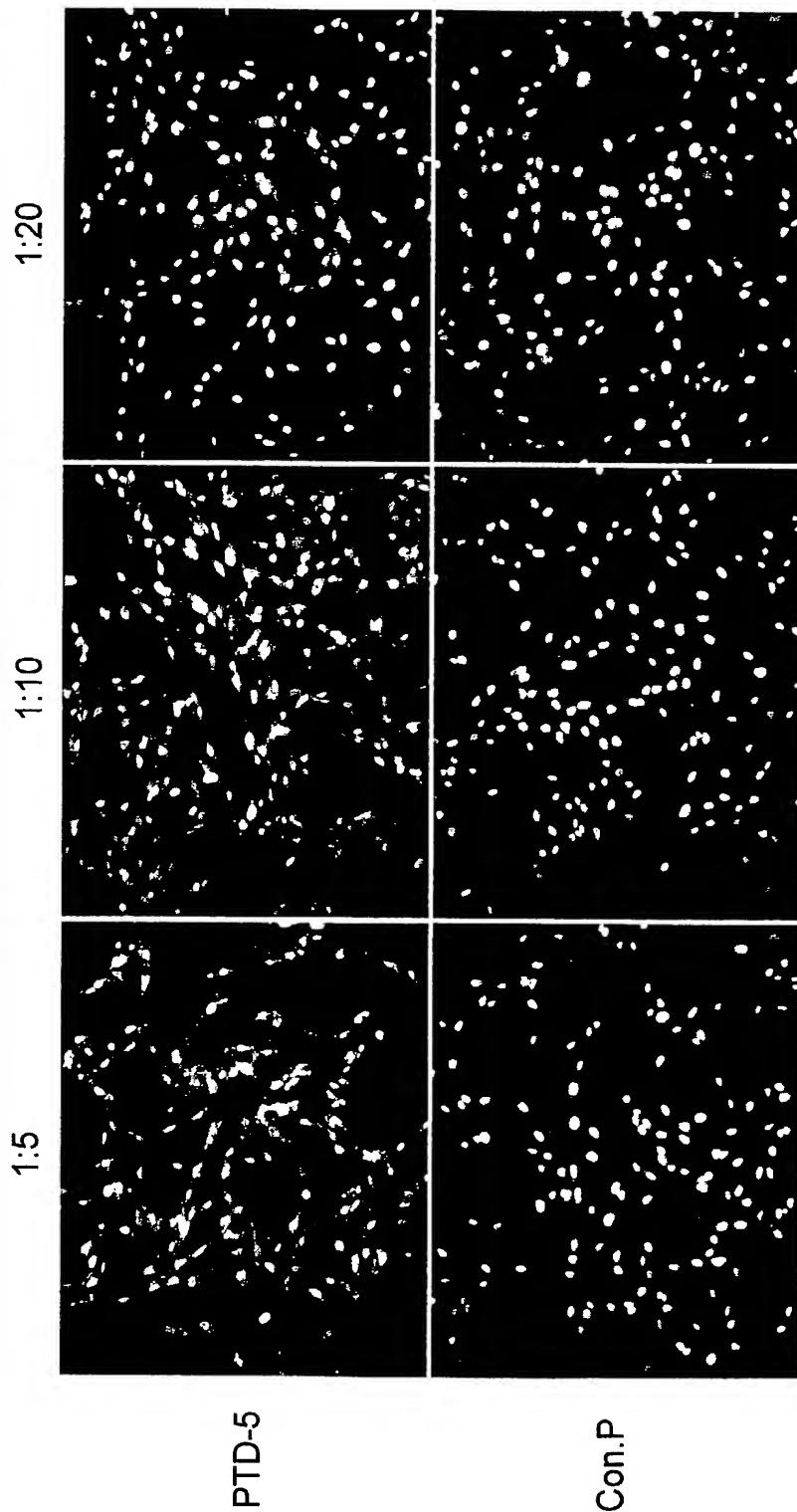


FIG.32



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10075869 . 090302

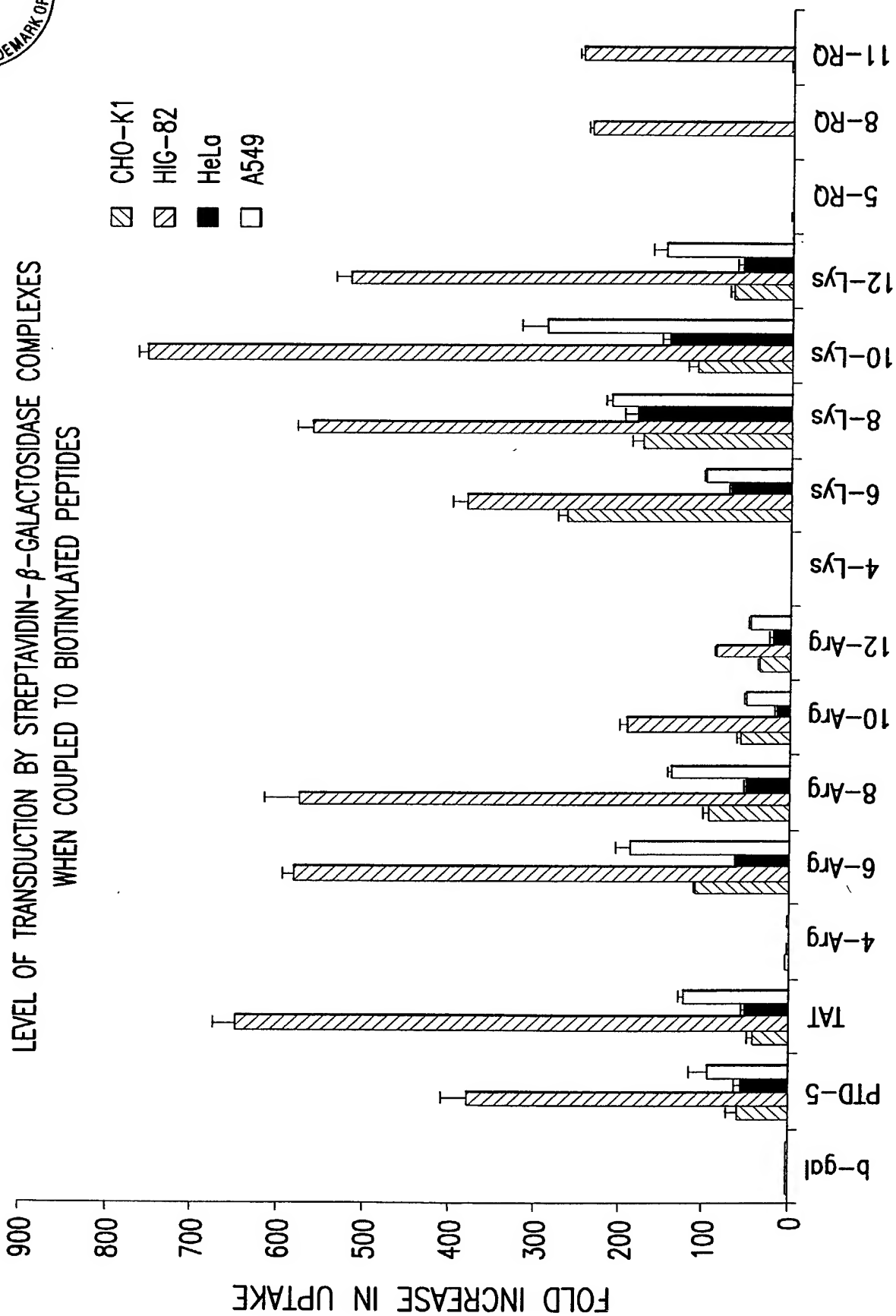


FIG. 33



10075867.090302

CATIONIC PTDs TRANSDUCE HUMAN β -CELLS WITH VARYING EFFICIENCIES

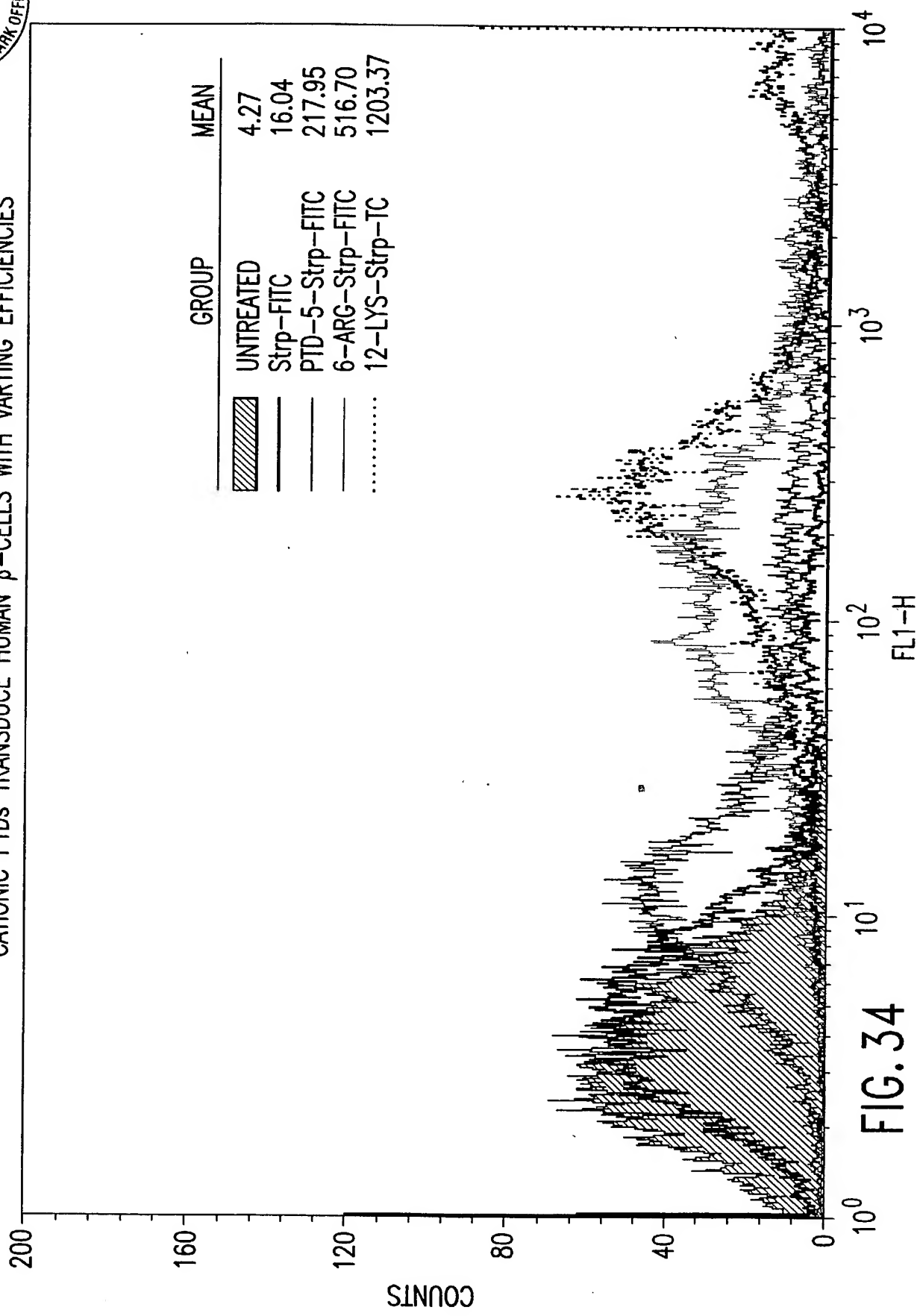


FIG. 34



10075969 .090302

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Transduction of PTD-EGFP Into Human Islet

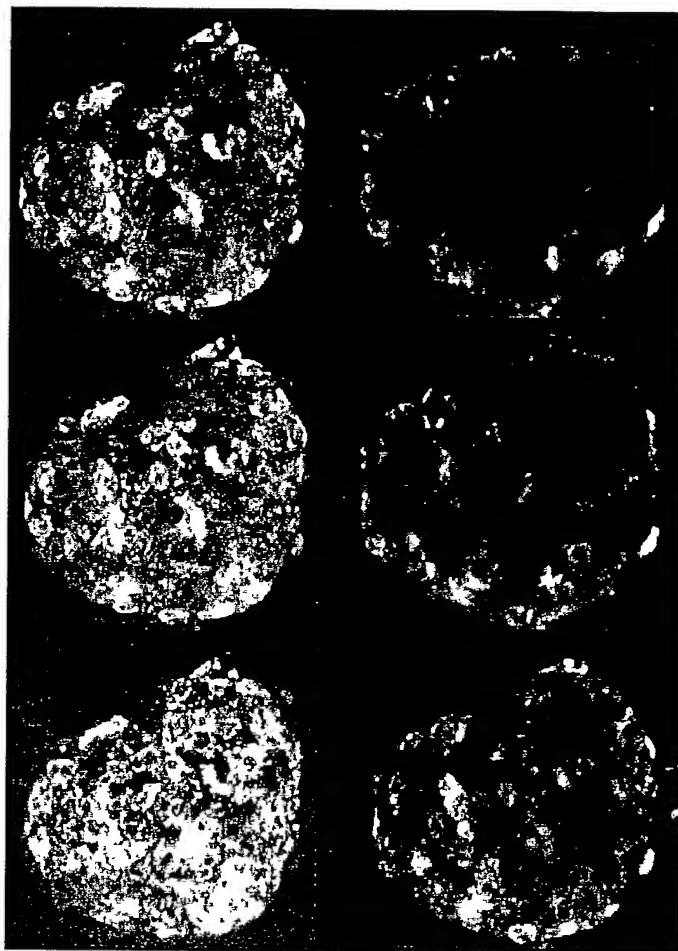


FIG.35



10075849.090702

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UPTAKE OF PEPTIDE-BIOTIN-STREPTAVIDIN- β -GALACTOSIDASE COMPLEXES
IS IMPAIRED IN CHO CELLS DEFECTIVE FOR HS & GAG SYNTHESIS

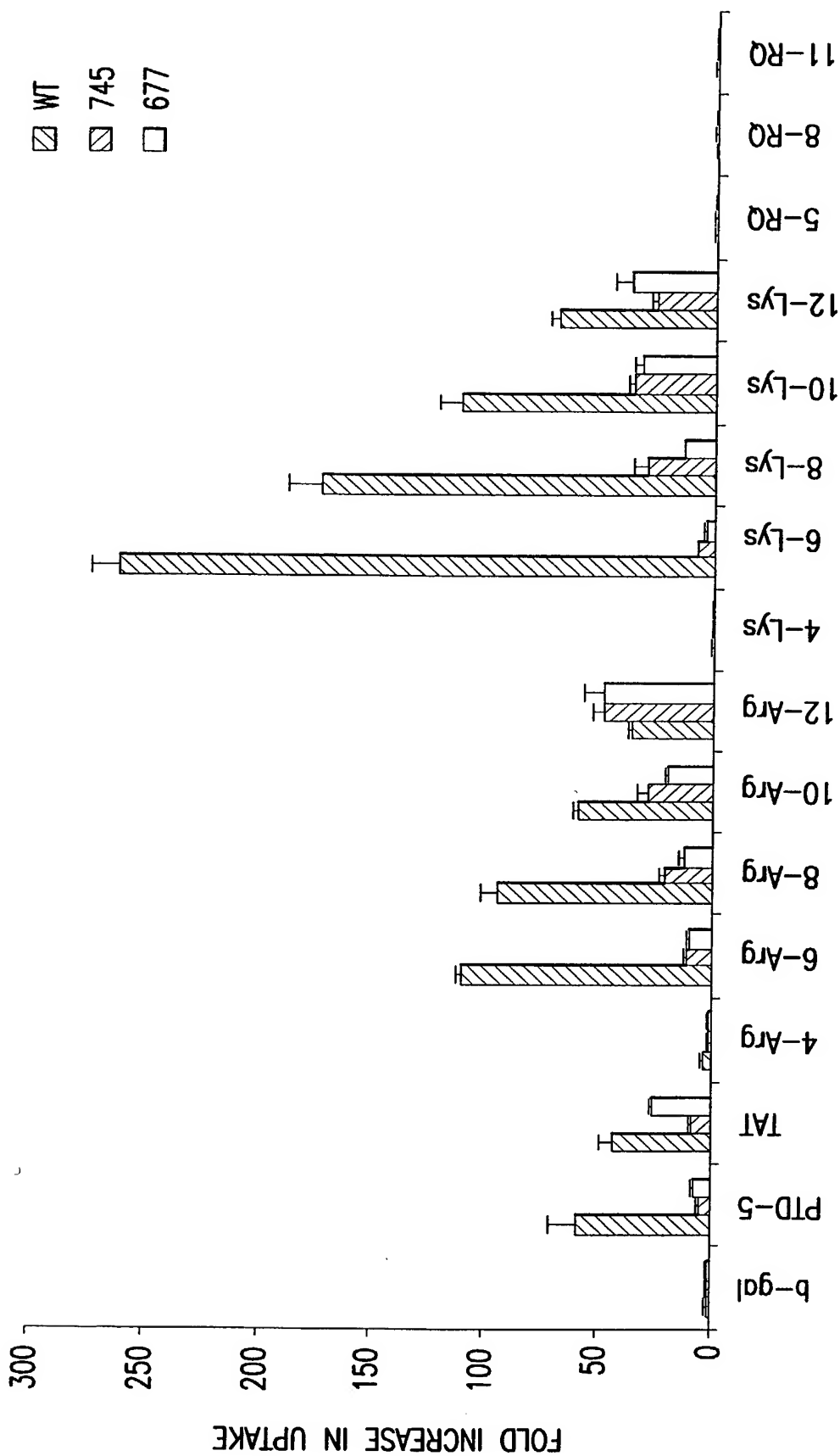


FIG. 36



10075869 . 09M302

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INCUBATION WITH DEXTRAN SULFATE ENHANCES UPTAKE OF 6-LYSINE-
 β -GALACTOSIDASE COMPLEXES IN HS & GAG-DEFICIENT, BUT NOT WT CHO CELLS

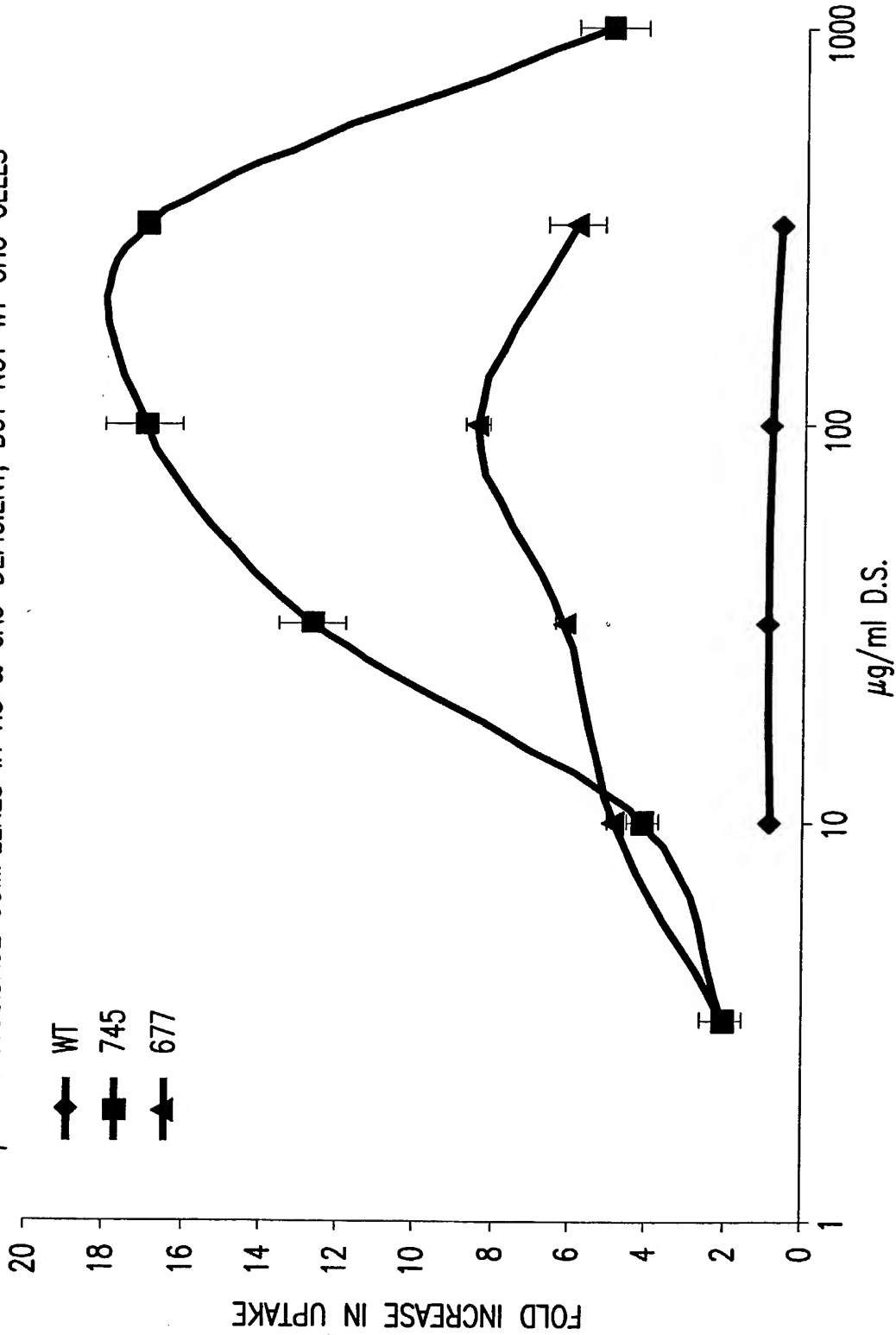


FIG. 37



10075665 .090302

INCUBATION WITH DEXTRAN SULFATE OR PROTAMINE SULFATE, BUT
NOT HEPARAN SULFATE, IS ABLE TO ENHANCE
6-LYSINE- β -GALACTOSIDASE UPTAKE IN CHO 745 CELLS

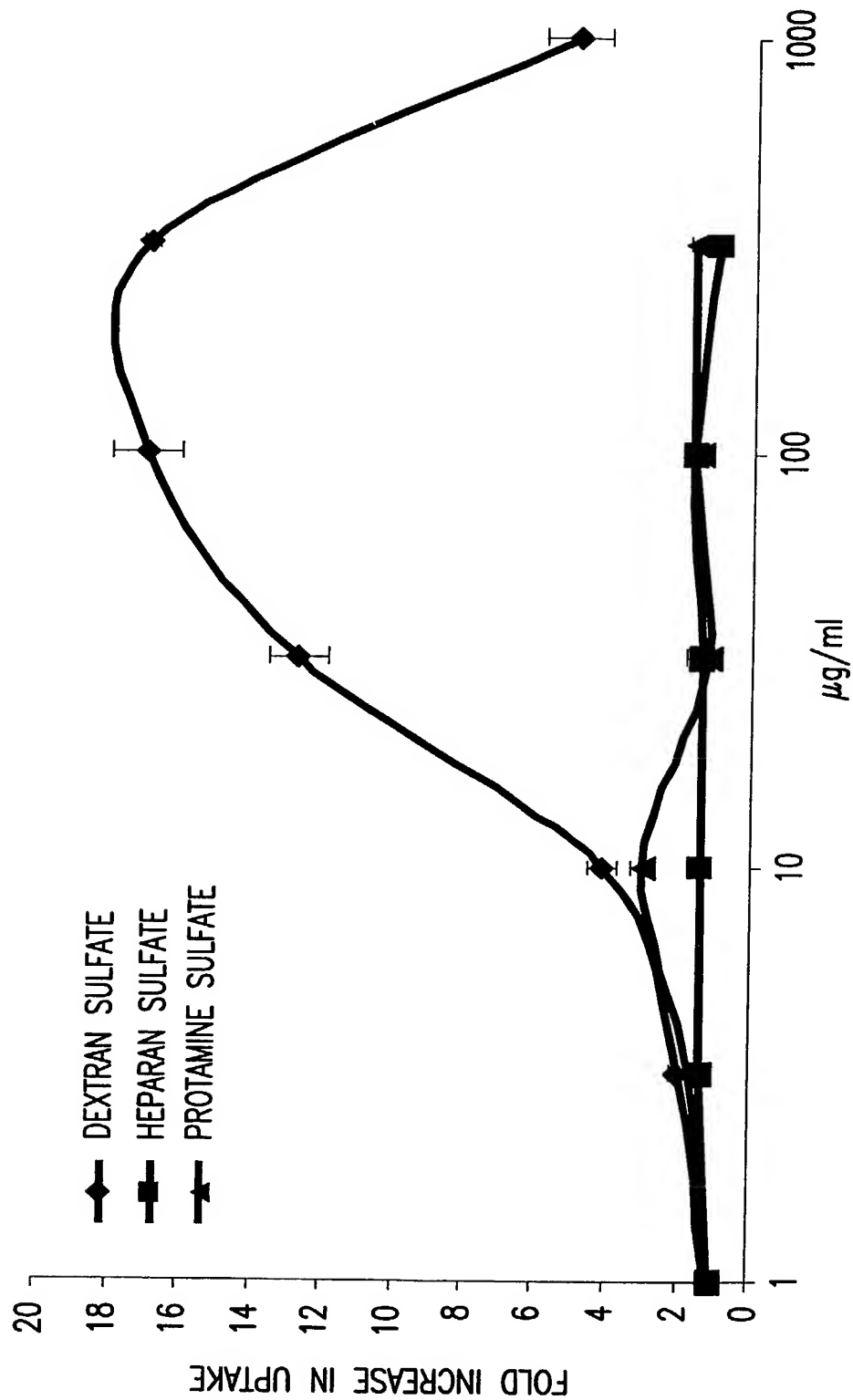


FIG. 38



10075569 . 090302

PRE-INCUBATION WITH 32 μ g/ml DEXTRAN SULFATE ENHANCES UPTAKE OF
CATIONIC PEPTIDE- β -GALACTOSIDASE COMPLEXES IN CHO 745 CELLS

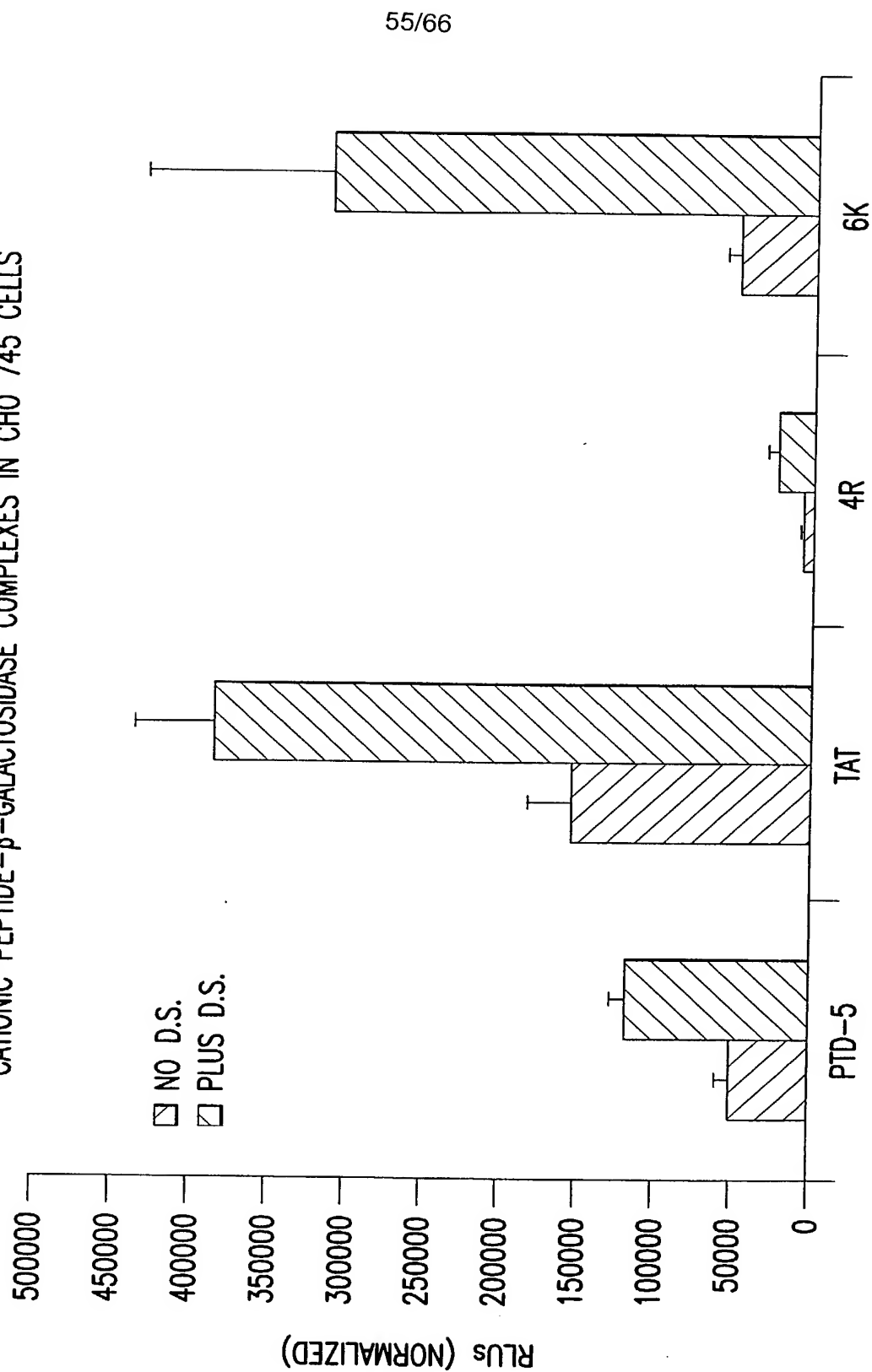


FIG. 39



1.0075569 .09030P

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INCUBATION WITH 50 μ g/ml NYSTATIN OR 5 μ g/ml FILIPIN III
REDUCES UPTAKE BY PEPTIDE- β -GALACTOSIDASE COMPLEXES

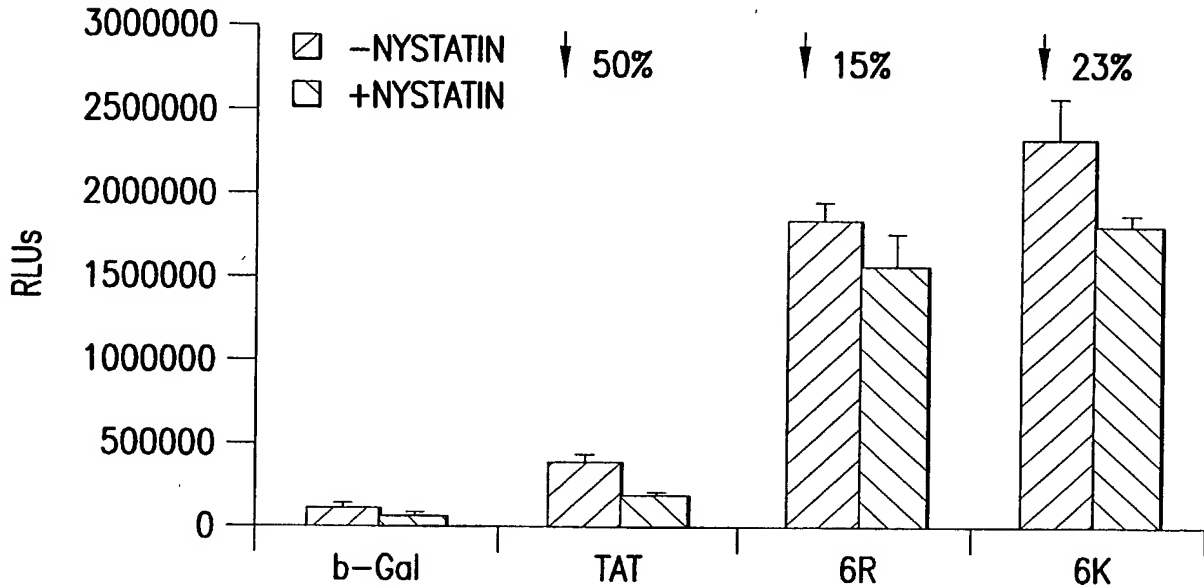


FIG. 40A

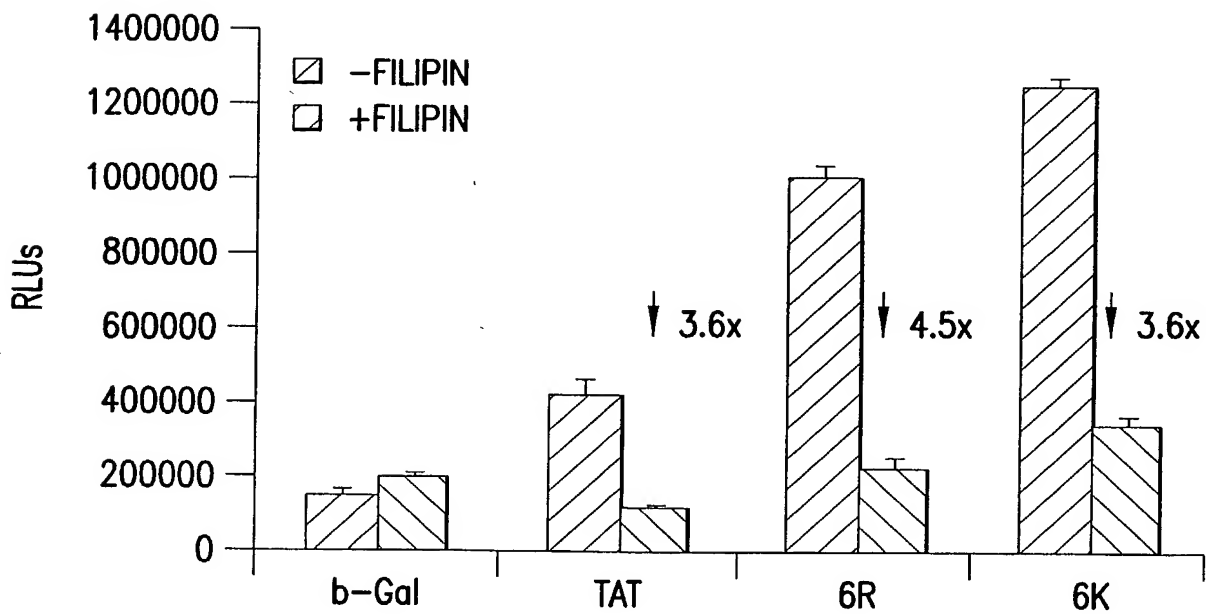


FIG. 40B

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APPROACHES FOR PEPTIDE-MEDIATED INHIBITION OF NF- κ B

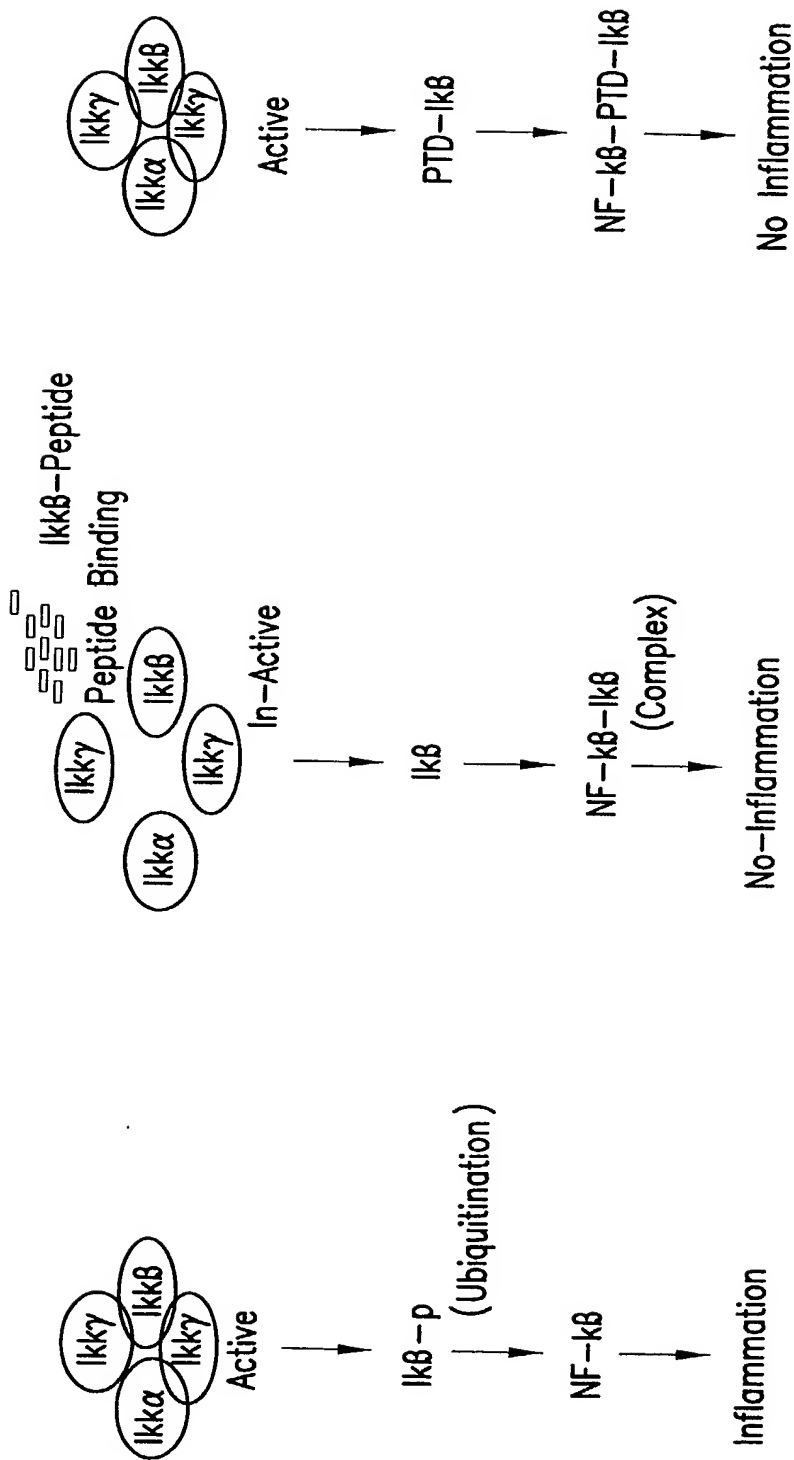
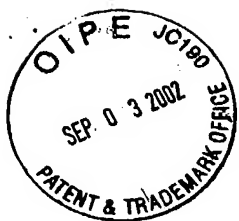


FIG. 41



11075869 . 000302

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INSULIN RESPONSE TO GLUCOSE AFTER MOUSE ISLET
INCUBATED WITH PEPTIDES AND IL-1 β

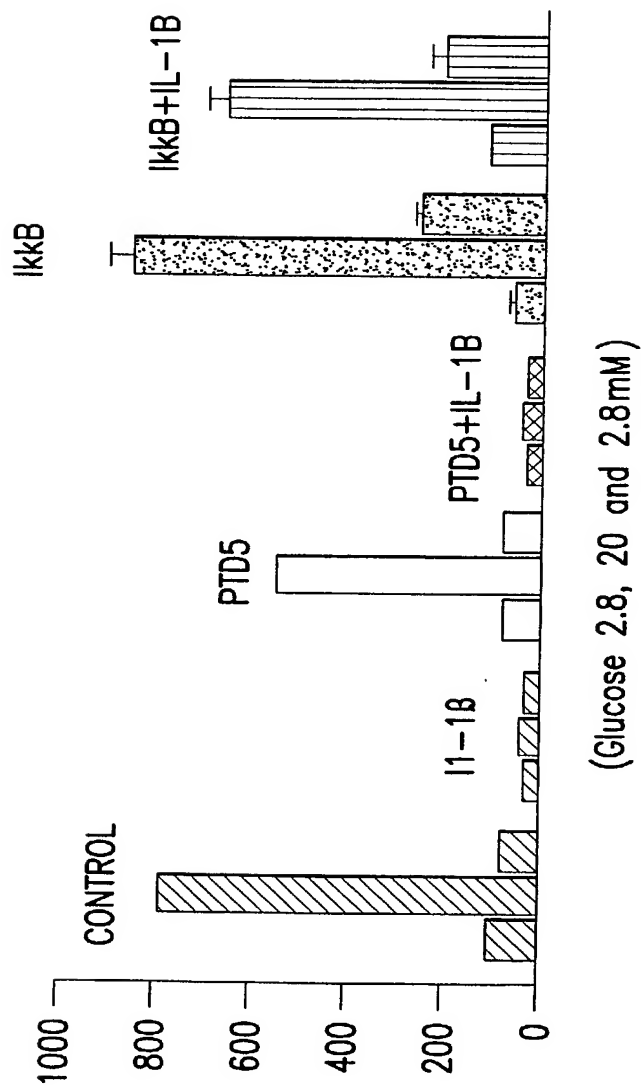


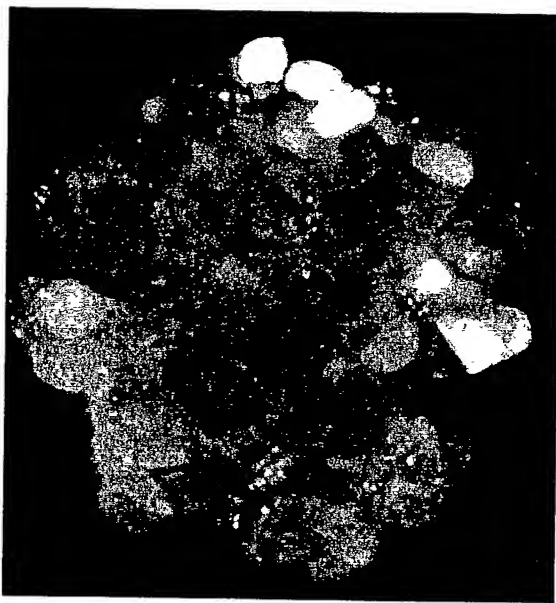
FIG. 42



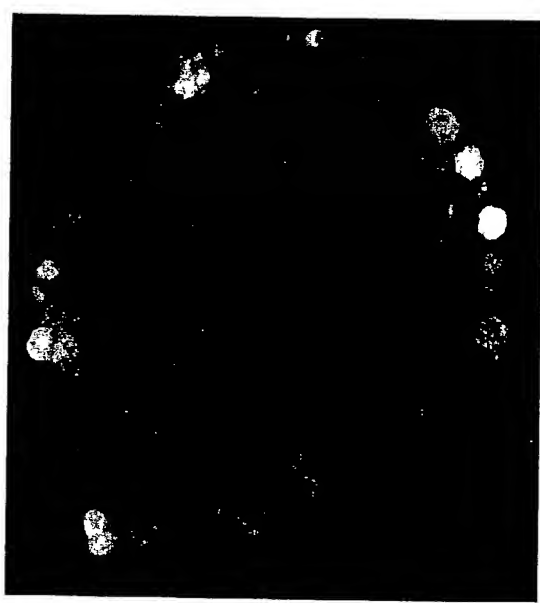
10075559 . 090302

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Transduction of Peptide Ikk β During Mouse Islet Isolation



PTD5-FITC



TAT(PTD4)-FITC

FIG.43



10075867, 090307

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TRANSDUCTION OF PEPTIDE INTO β -CELLS
DURING MOUSE ISLET-ISOLATION

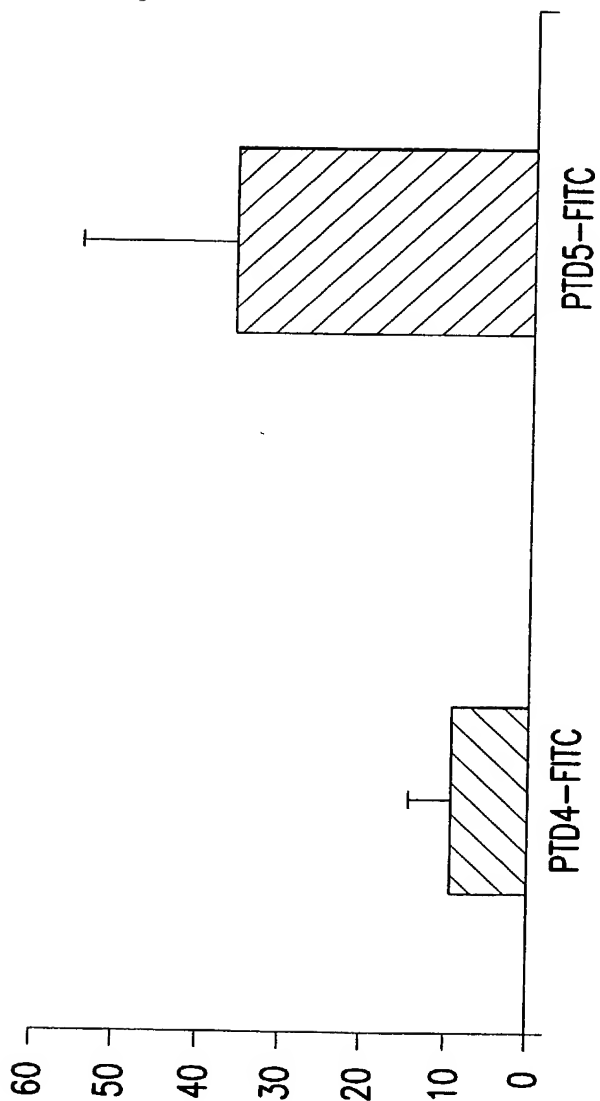


FIG. 44



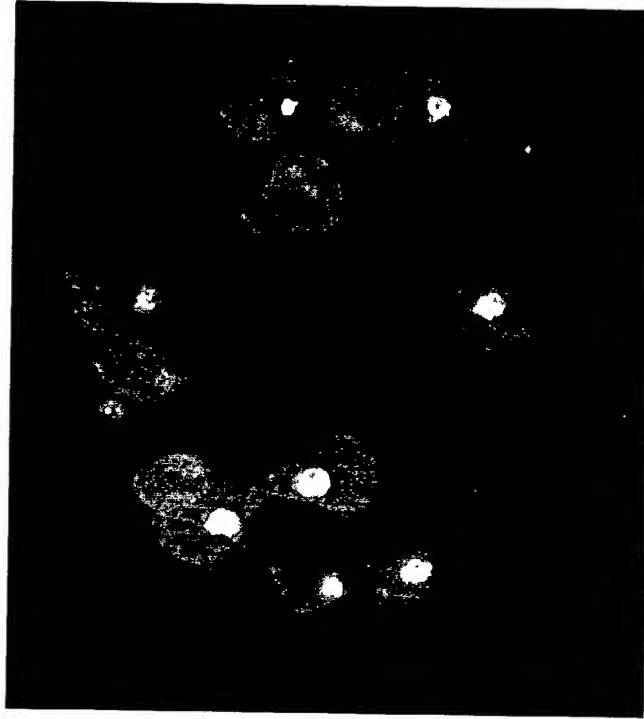
1.0075869 . 090302

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Transduction of Fusion Protein During Mouse Islet Isolation



eGFP



PTD5-eGFP

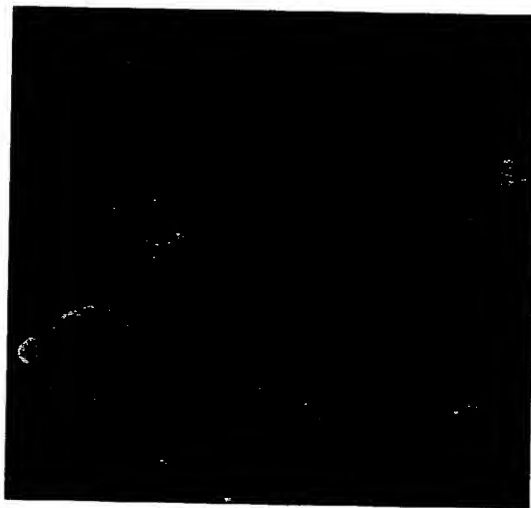
FIG.45



10075565 . 090302

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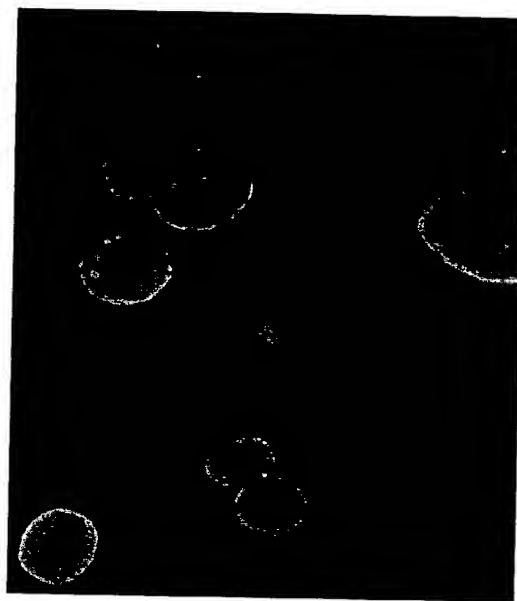
Viability of Mouse Islets Isolated with Peptides



Control



PTD-5



PTD5-Ikk3

FIG. 46



1.0075867.000.305

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PROTECTION OF MOUSE ISLETS DURING ISOLATION
PROCEDURE BY PTD-I κ k β TRANSFER

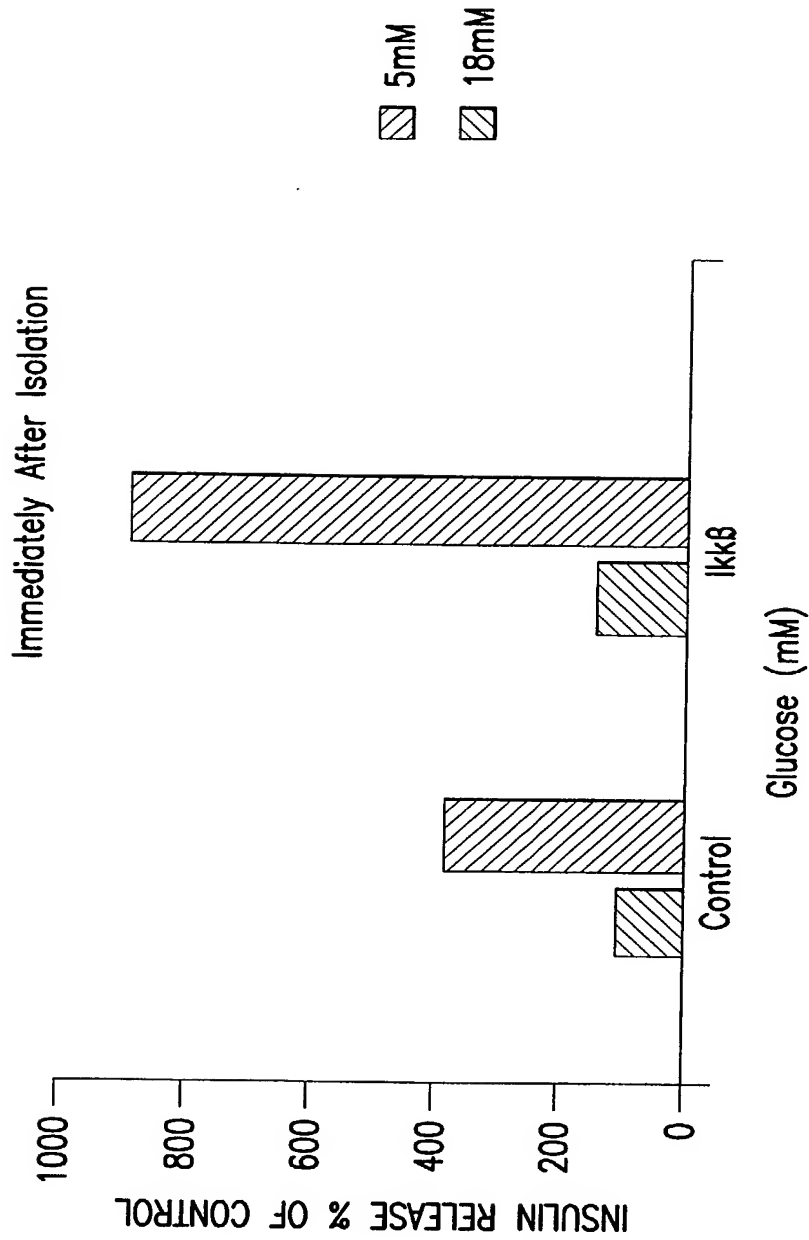


FIG. 47



10075860 . 000202

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INSULIN RESPONSE TO GLUCOSE 12-16Hrs. AFTER
MOUSE ISLET ISOLATION WITH PEPTIDES

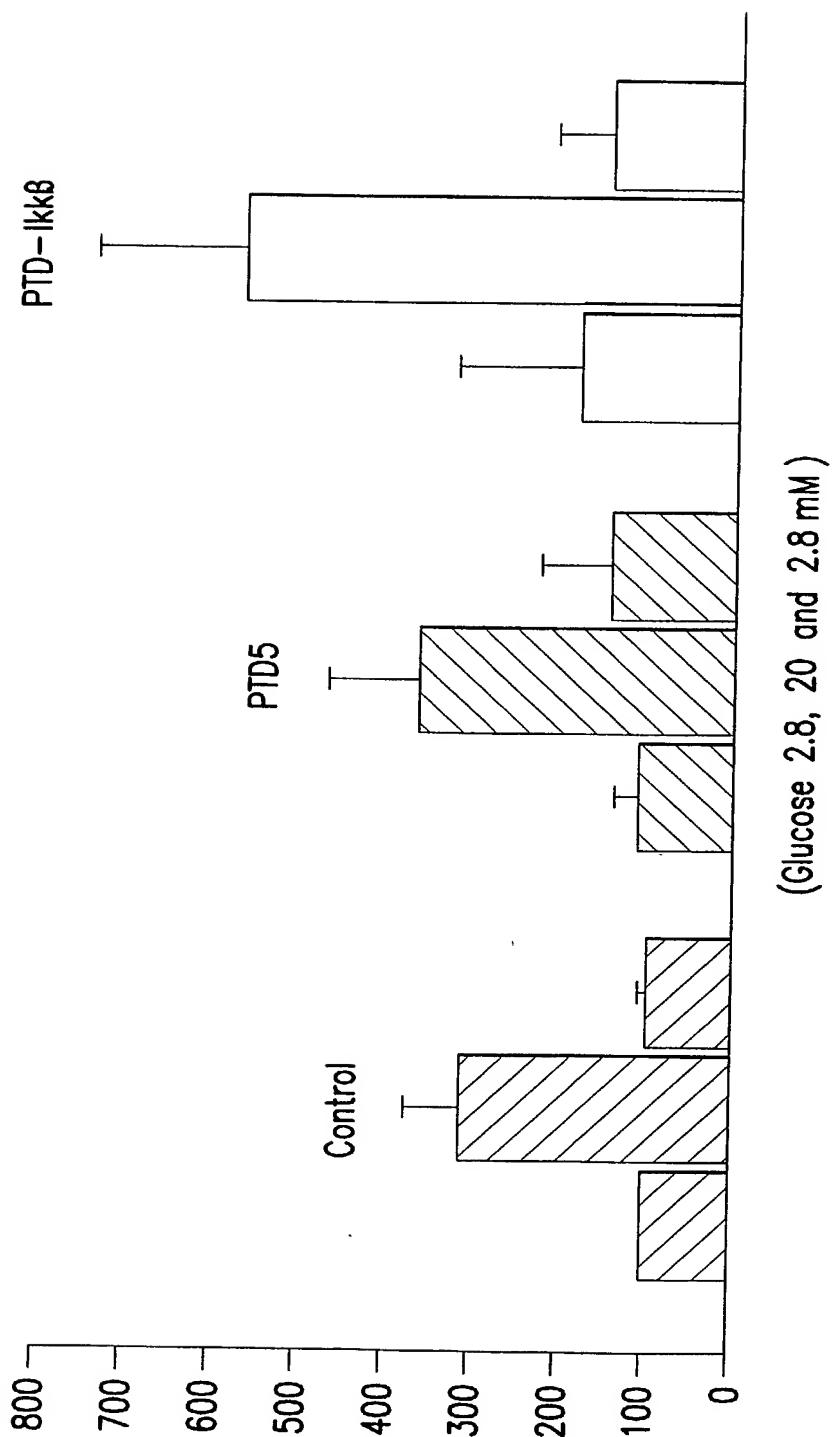


FIG. 48



10075859, 10075860

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PTD-5-FITC Transduction to Human Islets



FIG.49

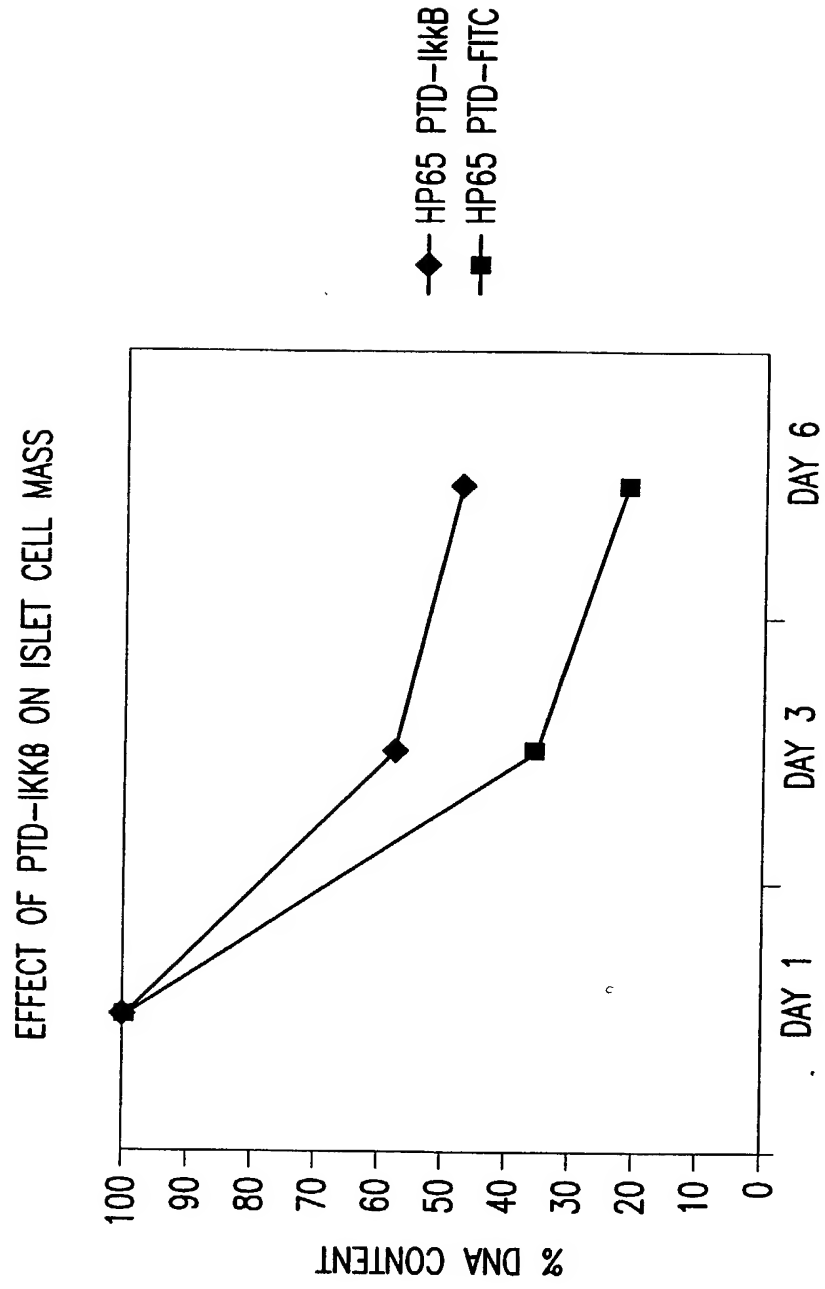


FIG. 50